



Airgas USA LLC (LAB)
3500 Bernard Street
St. Louis, Mo. 63103
Ph: (314) 533-3100
Fax: (314) 533-7328

Certificate of Analysis

Customer Name
Exclusive Supplier
Intoximeters, Inc.
2081 Craig Road
St. Louis, Mo 63146

Test Date: 9-Dec-2021

Lot # AG134205 **Model** 108

Exp Date	Cyl. Type	Component	Certified Concentration
8-Dec-2023	108	Ethanol Nitrogen	0.150 ± 2% BrAC (390 ppm)

Certification Traceable to N.I.S.T. RGM and to CRM Ethanol Standards:

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	392.1 ppm	EB0010603	393.0 ppm
EB0010570	259.8 ppm	EB0010559	258.2 ppm
EB0010285	208.0 ppm	EB0010595	208.3 ppm
EB0010561	103.6 ppm	EB0010562	104.2 ppm
EB0010681	52.12 ppm	EB0010579	52.81 ppm

CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC434668	800.0 ppm	0056649	390.1 ppm
CC234503	253.0 ppm	0056662	150.2 ppm

Analytical Method: NDIR

Digitally signed by:Quality Control
Reason:Dry gas standard certification of analysis
Location:Airgas USA LLC (Lab)
Date:12.10.2021 14:17

Approved for Release:

Rod Marsala

ISO 17025:2017 A2LA accredited. Certificate Number 3082.06
ISO 17034:2016 A2LA accredited. Certificate Number 3082.07

SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 12/22/2021
 Time: 12:52:03

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 29.70: 0.149
 TANK PRESSURE: 1210 psi

BLANK TEST	0.000	12:53
INTERNAL STANDARD	VERIFIED	12:53
EXTERNAL STANDARD	0.148	12:53
BLANK TEST	0.000	12:54
EXTERNAL STANDARD	0.148	12:54
BLANK TEST	0.000	12:55
EXTERNAL STANDARD	0.148	12:55
BLANK TEST	0.000	12:56
EXTERNAL STANDARD	0.148	12:57
BLANK TEST	0.000	12:57
EXTERNAL STANDARD	0.148	12:58
BLANK TEST	0.000	12:59

Average = 0.1480
 Std Dev = 0.0000

0.150

Lot: AG134205

Exp: 12/8/23

Tank: 001

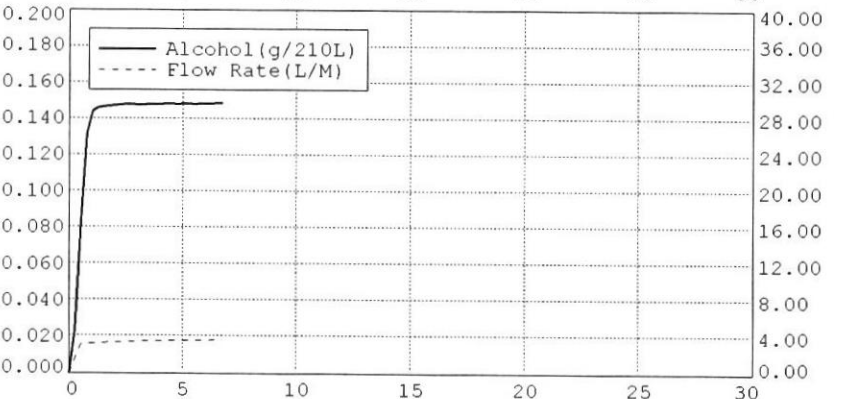
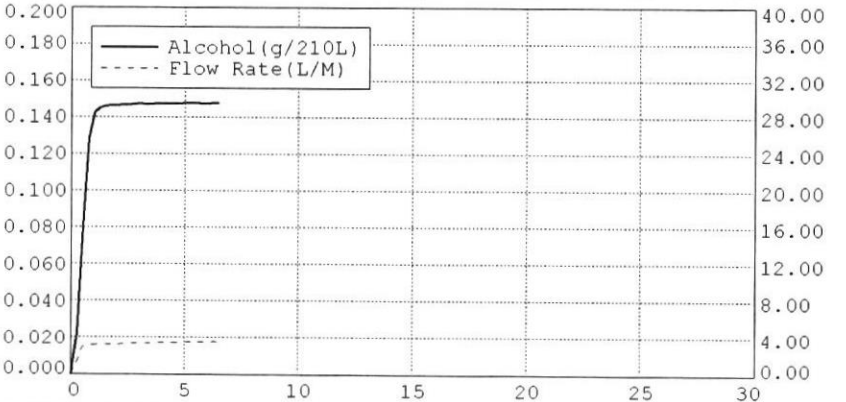
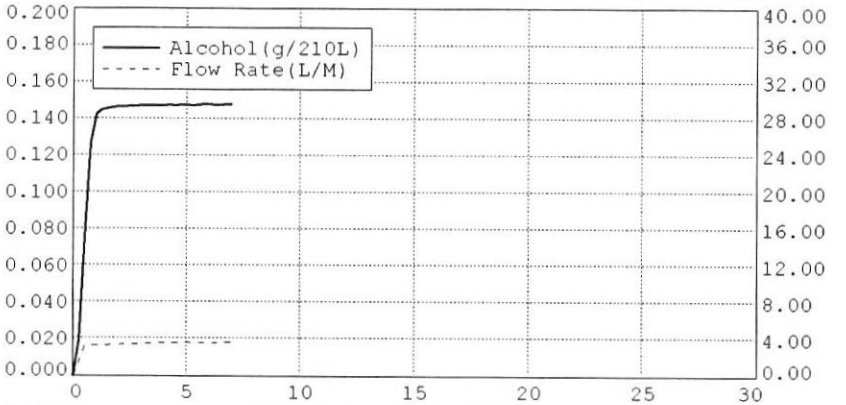
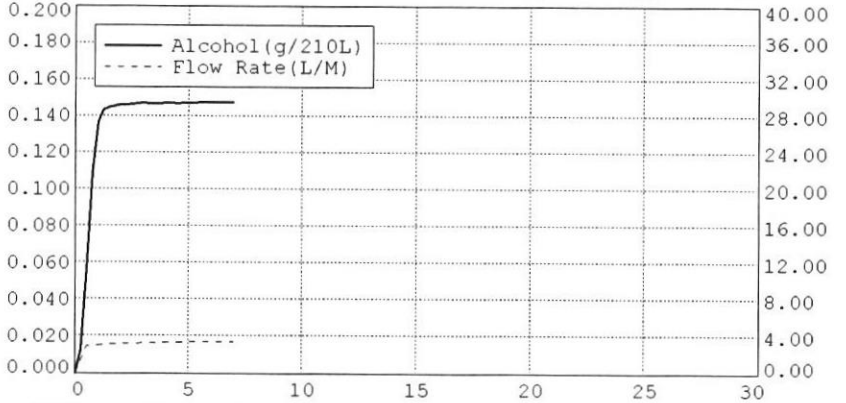
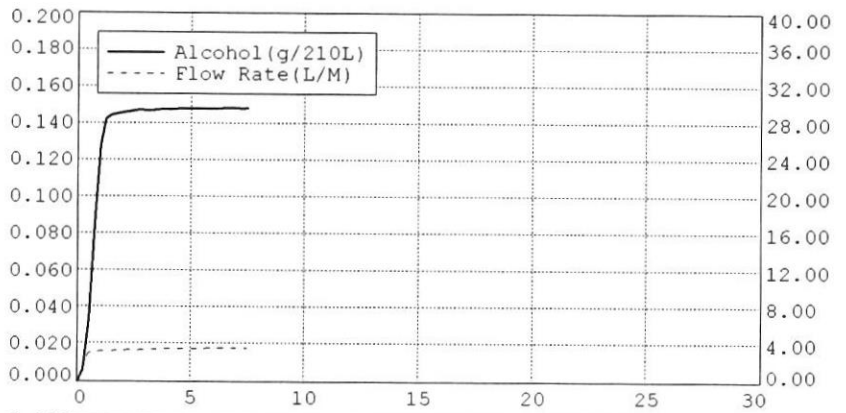
0.1480

0.1440⁸ ^{0.001} Avg

0.1486

0.147

COB 12/22/21



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100405

Date: 12/22/2021
 Time: 12:56:58

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 29.71: 0.149
 TANK PRESSURE: 1180 psi

BLANK TEST	0.000	12:58
INTERNAL STANDARD	VERIFIED	12:58
EXTERNAL STANDARD	0.145	12:58
BLANK TEST	0.000	12:59
EXTERNAL STANDARD	0.145	12:59
BLANK TEST	0.000	13:00
EXTERNAL STANDARD	0.144	13:01
BLANK TEST	0.000	13:02
EXTERNAL STANDARD	0.145	13:02
BLANK TEST	0.000	13:03
EXTERNAL STANDARD	0.145	13:03
BLANK TEST	0.000	13:04

Average = 0.1448
 Std Dev = 0.0004

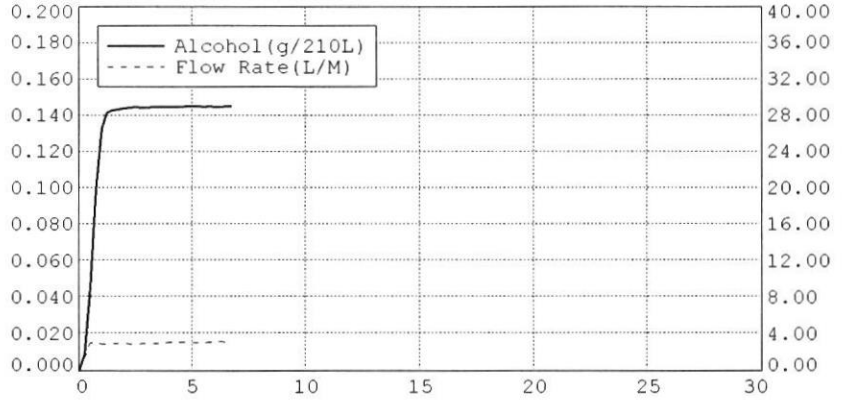
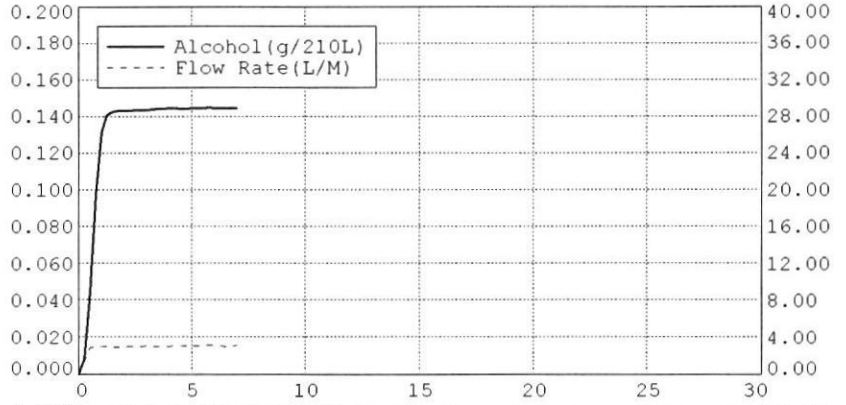
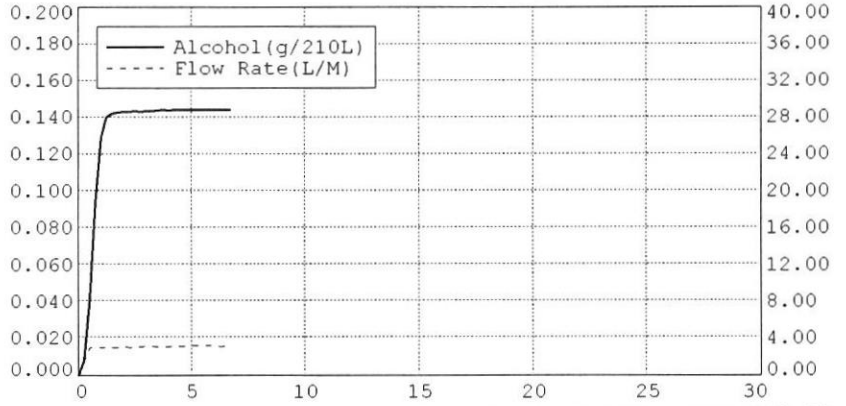
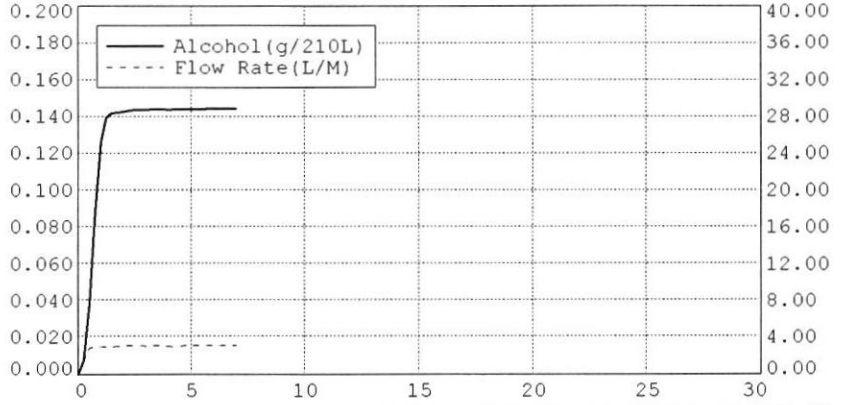
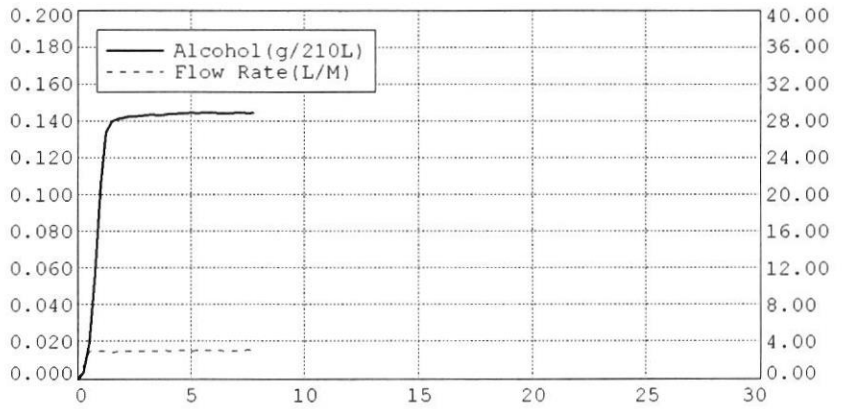
0.150

Lot AG134205

Exp 12/8/23

Tank 001

COB 12/22/21



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

Date: 12/22/2021
 Time: 13:04:59

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 29.70: 0.149
 TANK PRESSURE: 1167 psi

BLANK TEST	0.000	13:06
INTERNAL STANDARD	VERIFIED	13:06
EXTERNAL STANDARD	0.149	13:06
BLANK TEST	0.000	13:07
EXTERNAL STANDARD	0.148	13:07
BLANK TEST	0.000	13:08
EXTERNAL STANDARD	0.149	13:08
BLANK TEST	0.000	13:09
EXTERNAL STANDARD	0.148	13:10
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.149	13:11
BLANK TEST	0.000	13:12

Average = 0.1486
 Std Dev = 0.0005

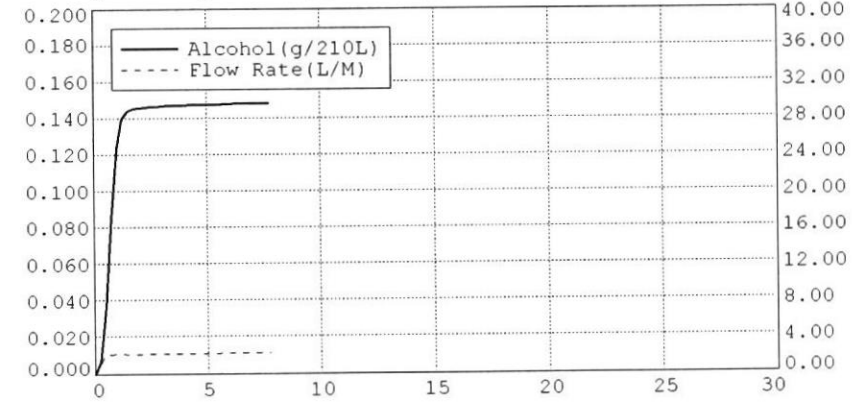
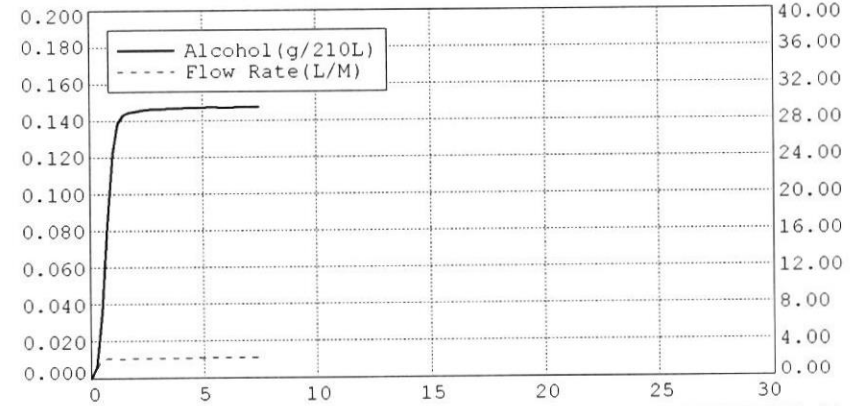
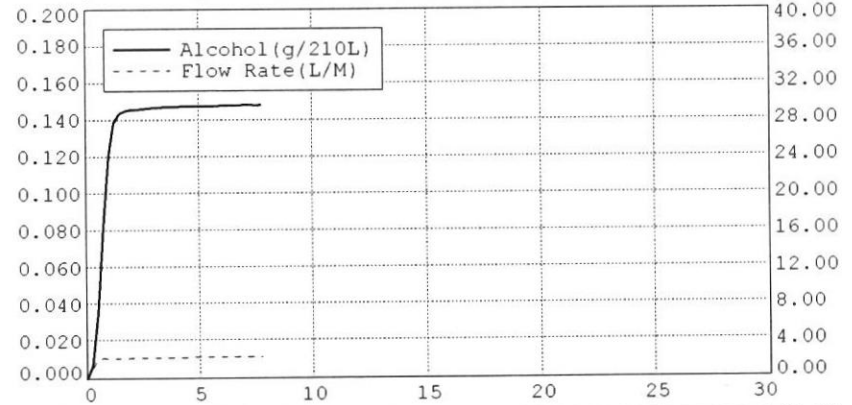
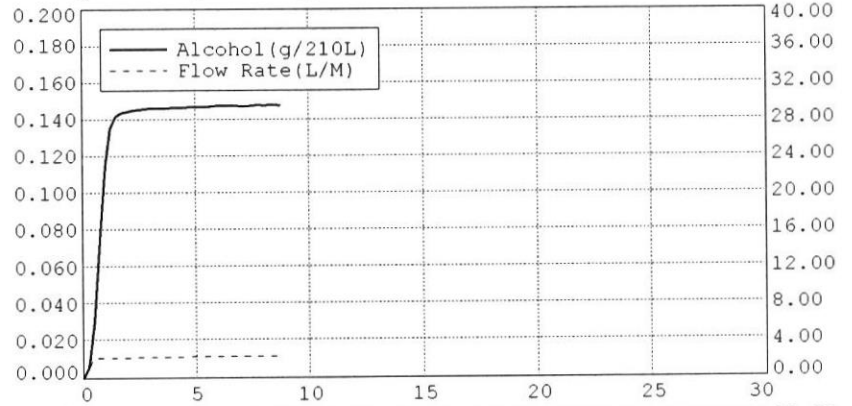
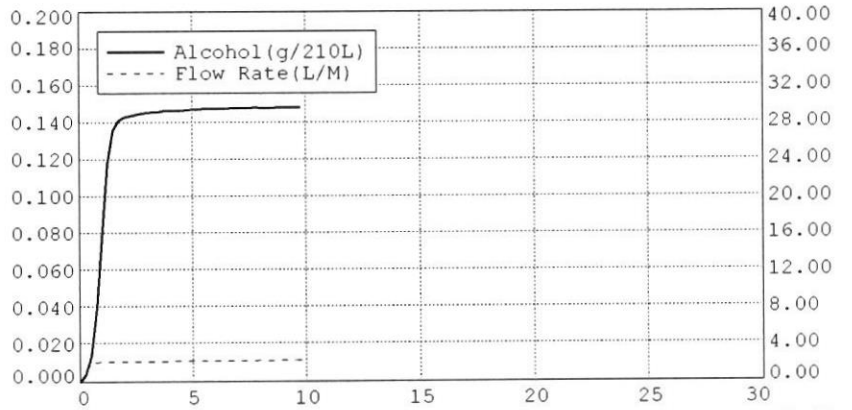
0.150

Lot: AG 134205

Exp: 12/18/23

Tank: 001

003/12/02/21



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 12/22/2021
 Time: 13:03:59

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 29.71: 0.149
 TANK PRESSURE: 1209 psi

BLANK TEST	0.000	13:05
INTERNAL STANDARD	VERIFIED	13:05
EXTERNAL STANDARD	0.148	13:05
BLANK TEST	0.000	13:06
EXTERNAL STANDARD	0.148	13:06
BLANK TEST	0.000	13:07
EXTERNAL STANDARD	0.148	13:07
BLANK TEST	0.000	13:08
EXTERNAL STANDARD	0.148	13:08
BLANK TEST	0.000	13:09
EXTERNAL STANDARD	0.148	13:09
BLANK TEST	0.000	13:10

Average = 0.1480
 Std Dev = 0.0000

0.150

Lot: AG134205

Exp: 12/8/23

Tank 002

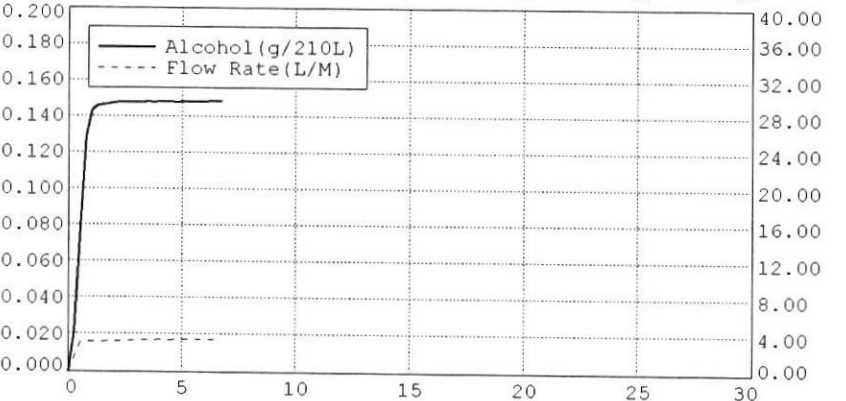
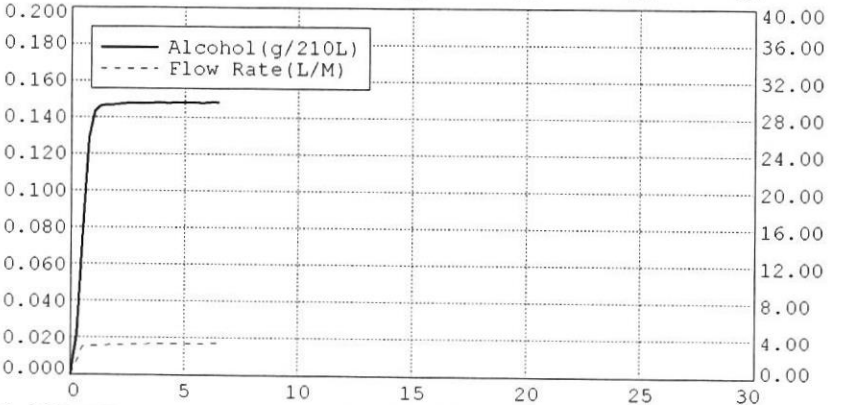
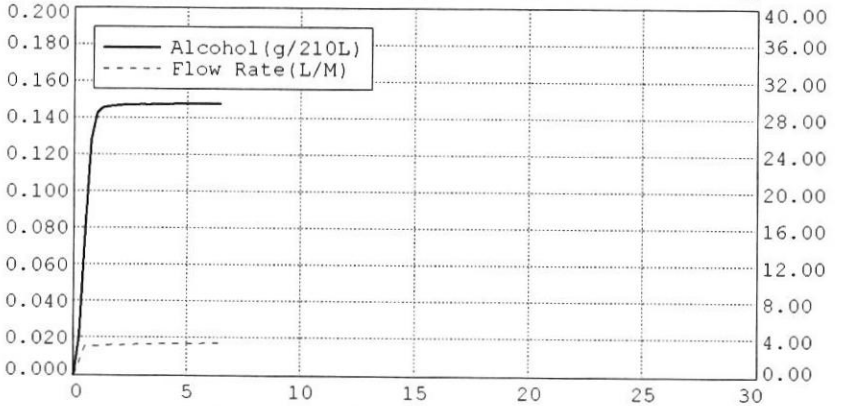
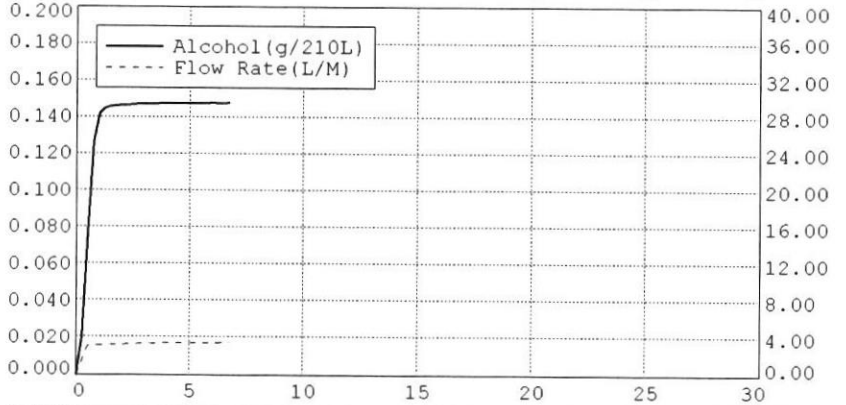
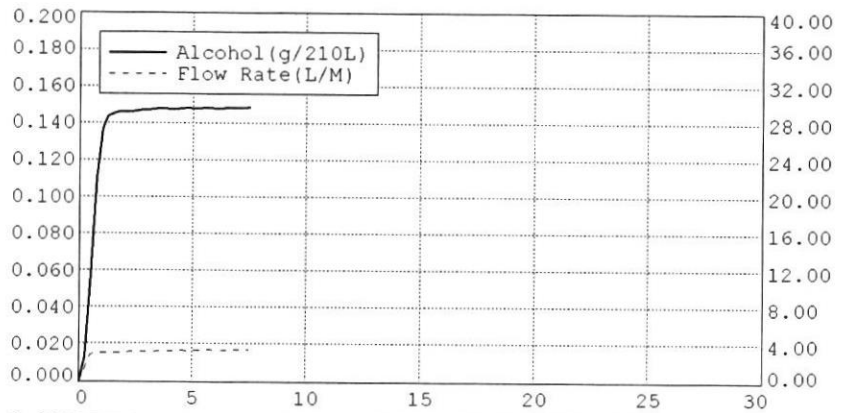
0.1480

0.1452 Avg

0.1490 ✓

0.147

COB 12/22/21



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100405

Date: 12/22/2021
 Time: 13:08:06

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 29.69: 0.149
 TANK PRESSURE: 1183 psi

BLANK TEST	0.000	13:09
INTERNAL STANDARD	VERIFIED	13:09
EXTERNAL STANDARD	0.146	13:09
BLANK TEST	0.000	13:10
EXTERNAL STANDARD	0.145	13:10
BLANK TEST	0.000	13:11
EXTERNAL STANDARD	0.145	13:12
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.145	13:13
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.145	13:14
BLANK TEST	0.000	13:15

Average = 0.1452
 Std Dev = 0.0004

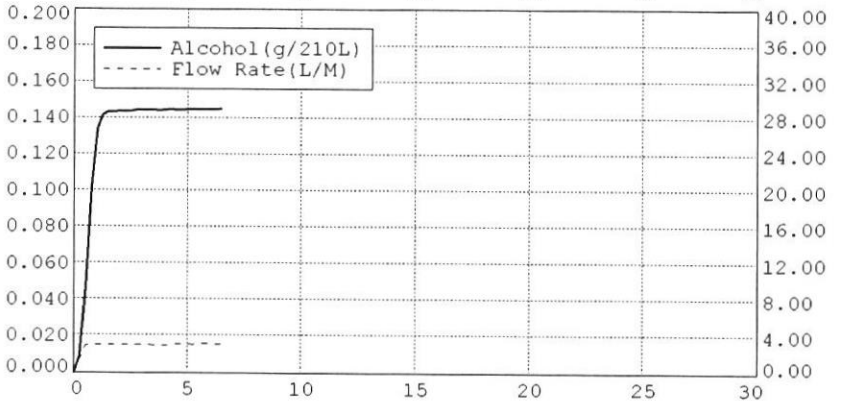
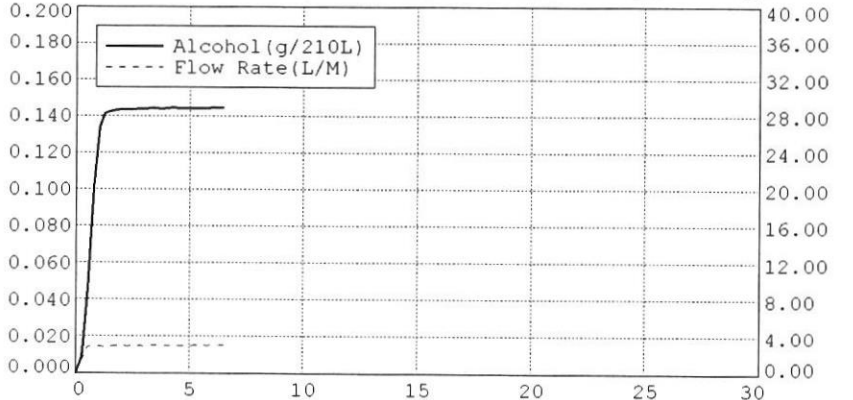
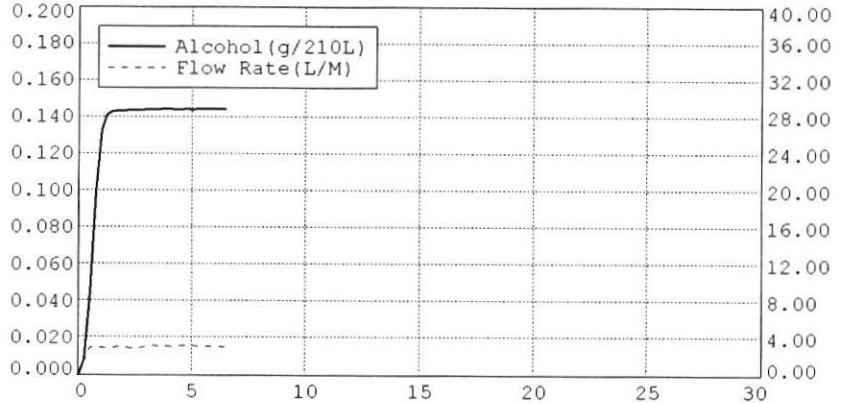
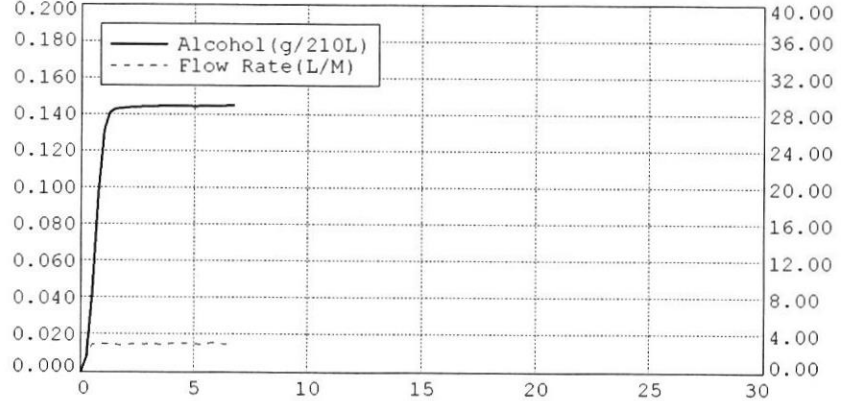
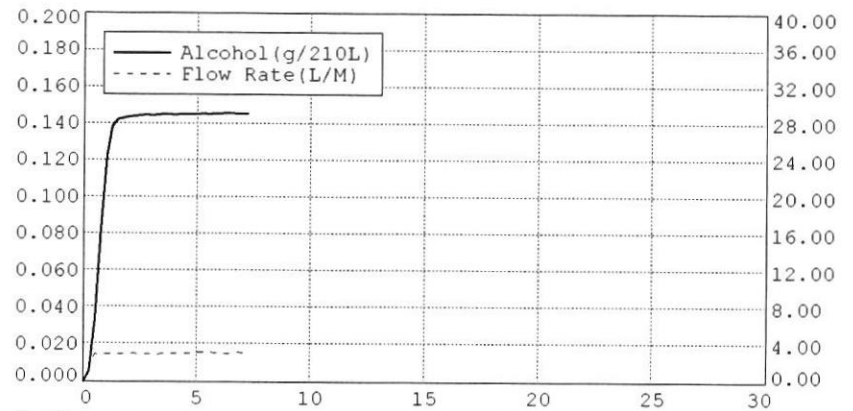
0.150

Lot: AG134205

Exp: 12/8/23

Tank 002

COB 12/22/21



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 12/22/2021
Time: 13:19:42

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.150
TARGET AT 29.68: 0.149
TANK PRESSURE: 1172 psi

BLANK TEST	0.000	13:20
INTERNAL STANDARD	VERIFIED	13:20
EXTERNAL STANDARD	0.149	13:21
BLANK TEST	0.000	13:22
EXTERNAL STANDARD	0.149	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.149	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.149	13:24
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.149	13:25
BLANK TEST	0.000	13:26

Average = 0.1490
Std Dev = 0.0000

0.150 COB 2022.01.03

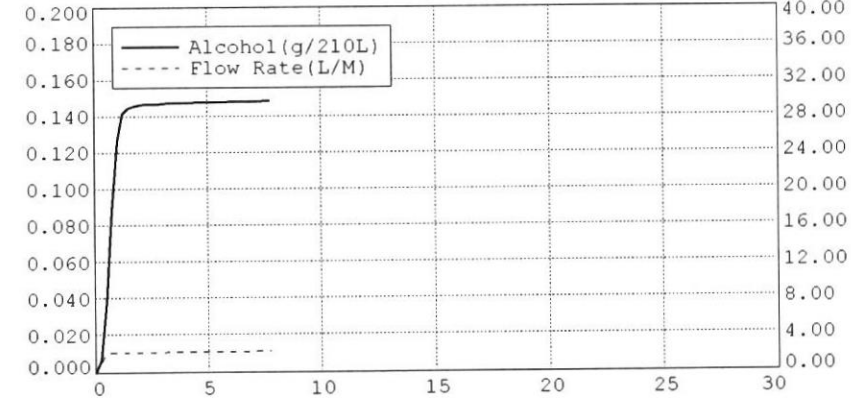
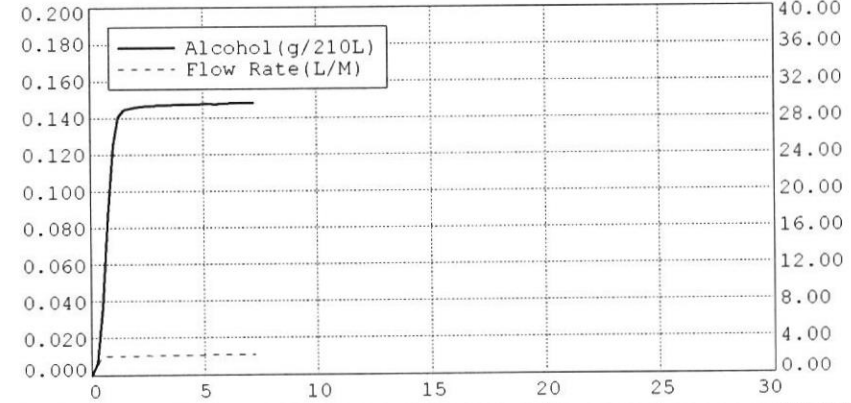
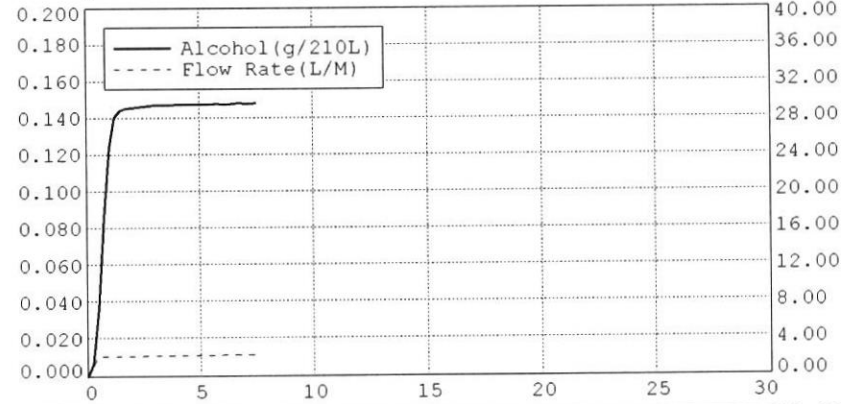
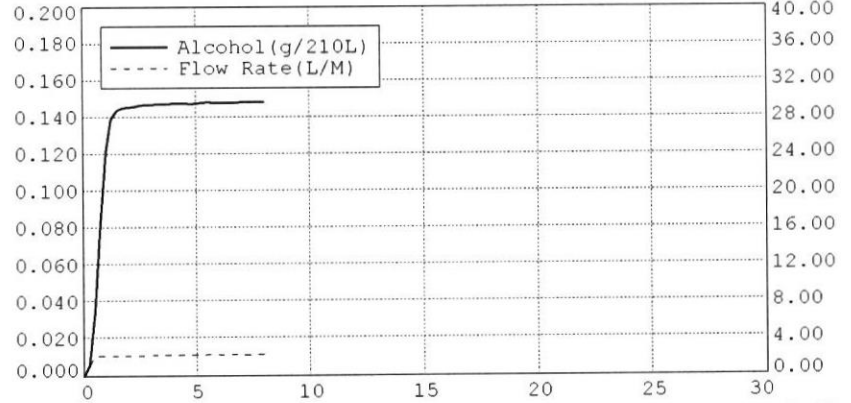
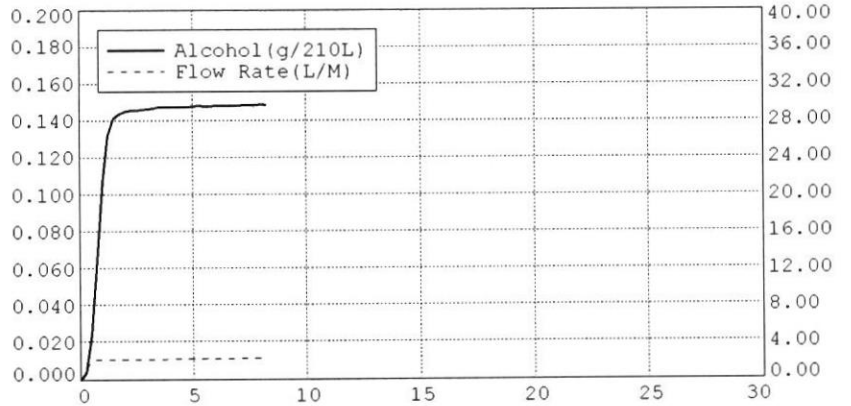
~~0.160~~

Lot#: AG134205

Exp: 12/8/23

Tank: 002

COB 10/22/21



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

Date: 12/22/2021
 Time: 13:14:45

SUPERVISOR NAME:
 COLLEEN S OBRYANT
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.150
 TARGET AT 29.69: 0.149
 TANK PRESSURE: 1206 psi

BLANK TEST	0.000	13:15
INTERNAL STANDARD	VERIFIED	13:15
EXTERNAL STANDARD	0.149	13:16
BLANK TEST	0.000	13:17
EXTERNAL STANDARD	0.149	13:17
BLANK TEST	0.000	13:18
EXTERNAL STANDARD	0.149	13:18
BLANK TEST	0.000	13:19
EXTERNAL STANDARD	0.148	13:19
BLANK TEST	0.000	13:20
EXTERNAL STANDARD	0.149	13:20
BLANK TEST	0.000	13:21

Average = 0.1488
 Std Dev = 0.0004

0.150

Lot: AG134205

Exp: 12/8/23

Tank 003

0.1488

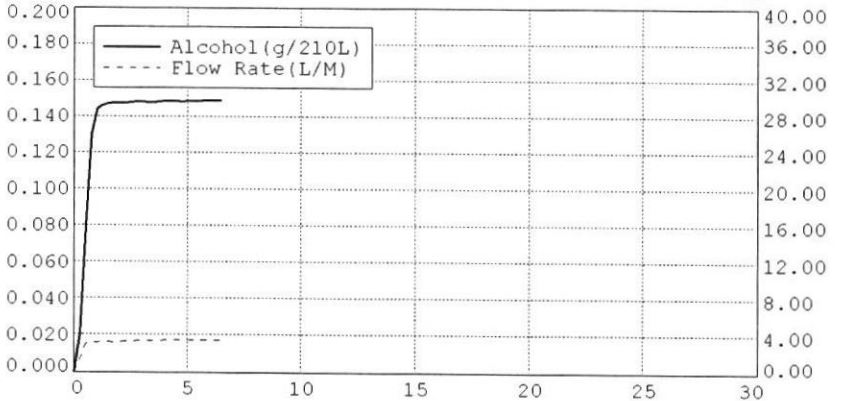
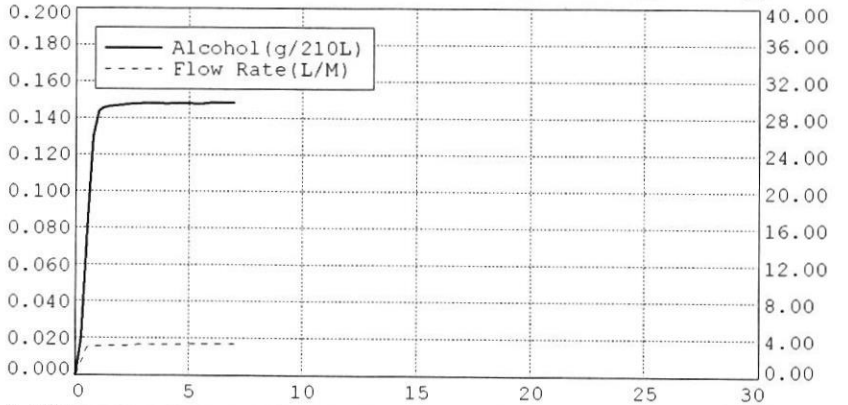
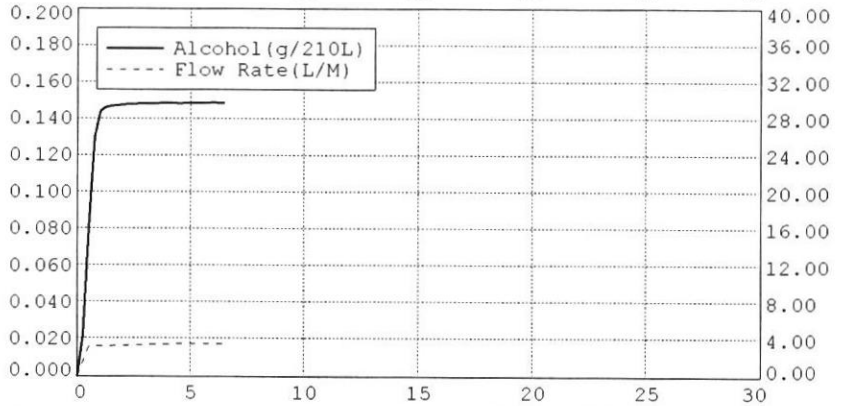
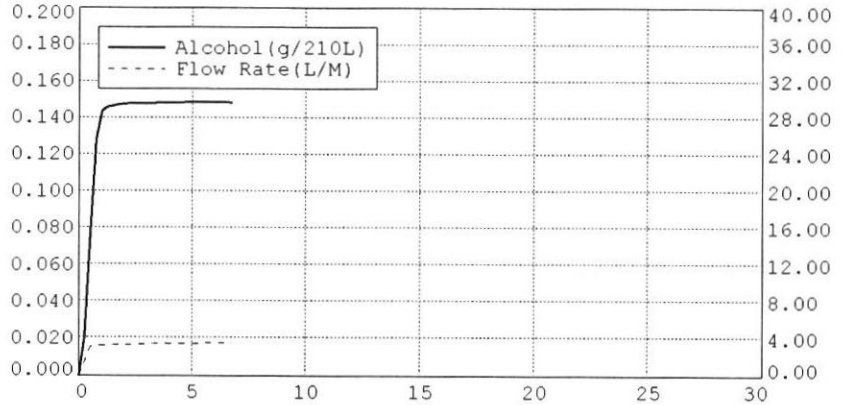
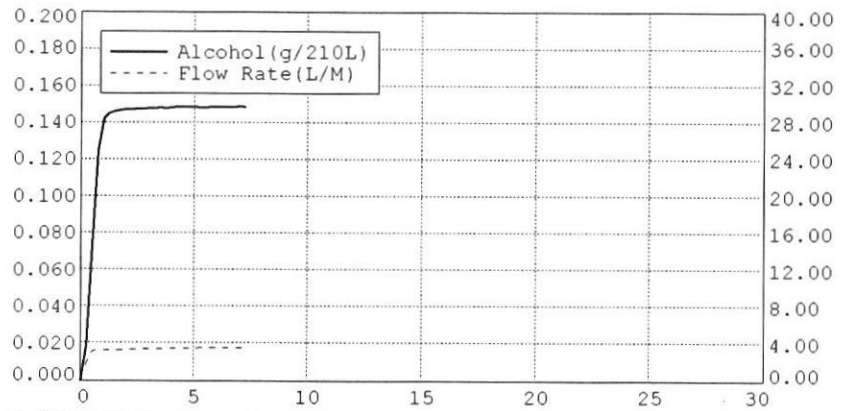
0.1450

0.1492

0.148

Arg ✓

CS/OB



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 12/22/2021
Time: 13:21:52

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.150
TARGET AT 29.68: 0.149
TANK PRESSURE: 1183 psi

BLANK TEST	0.000	13:22
INTERNAL STANDARD	VERIFIED	13:23
EXTERNAL STANDARD	0.146	13:23
BLANK TEST	0.000	13:24
EXTERNAL STANDARD	0.145	13:24
BLANK TEST	0.000	13:25
EXTERNAL STANDARD	0.144	13:25
BLANK TEST	0.000	13:26
EXTERNAL STANDARD	0.145	13:26
BLANK TEST	0.000	13:27
EXTERNAL STANDARD	0.145	13:27
BLANK TEST	0.000	13:28

Average = 0.1450
Std Dev = 0.0007

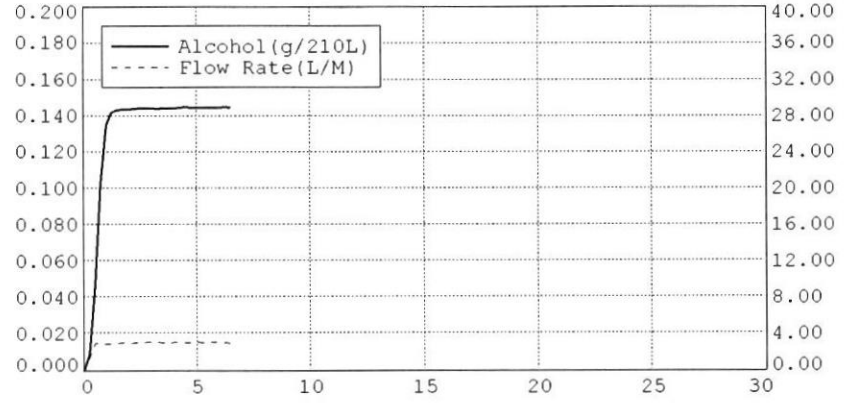
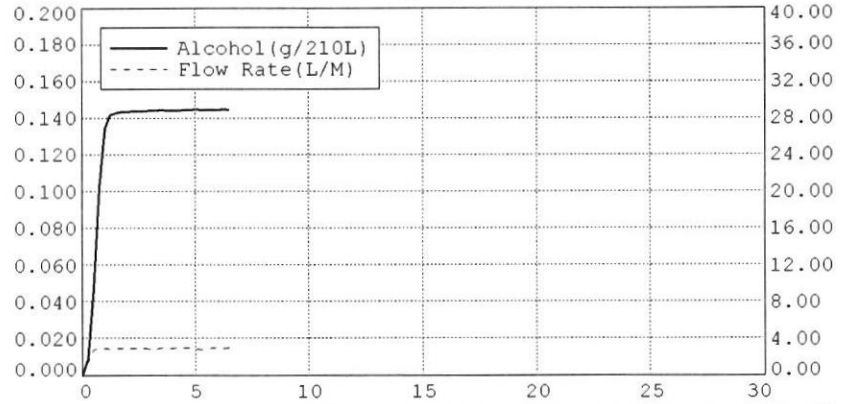
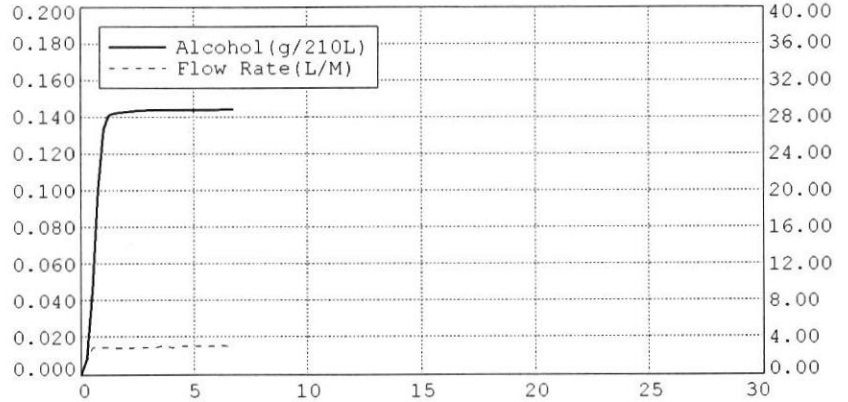
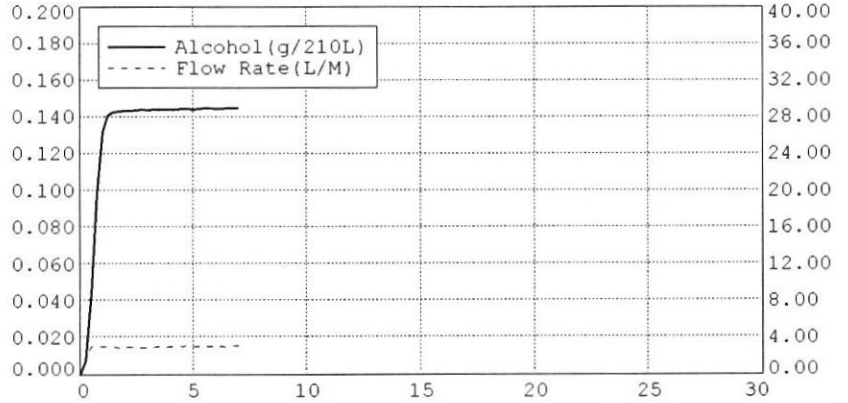
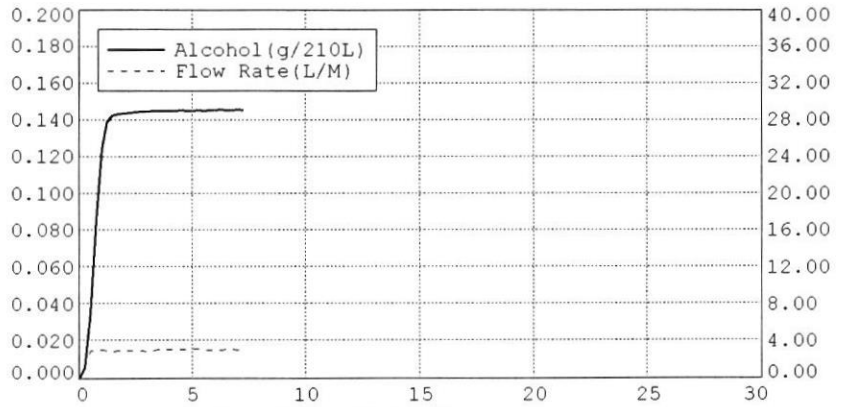
0.150

Lot: AG/34205

Exp: 12/8/23

Tank: 003

COB 12/22/21



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 12/22/2021
Time: 13:28:42

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.150
TARGET AT 29.68: 0.149
TANK PRESSURE: 1170 psi

BLANK TEST	0.000	13:29
INTERNAL STANDARD	VERIFIED	13:29
EXTERNAL STANDARD	0.150	13:30
BLANK TEST	0.000	13:31
EXTERNAL STANDARD	0.149	13:31
BLANK TEST	0.000	13:32
EXTERNAL STANDARD	0.149	13:32
BLANK TEST	0.000	13:33
EXTERNAL STANDARD	0.149	13:33
BLANK TEST	0.000	13:34
EXTERNAL STANDARD	0.149	13:34
BLANK TEST	0.000	13:35

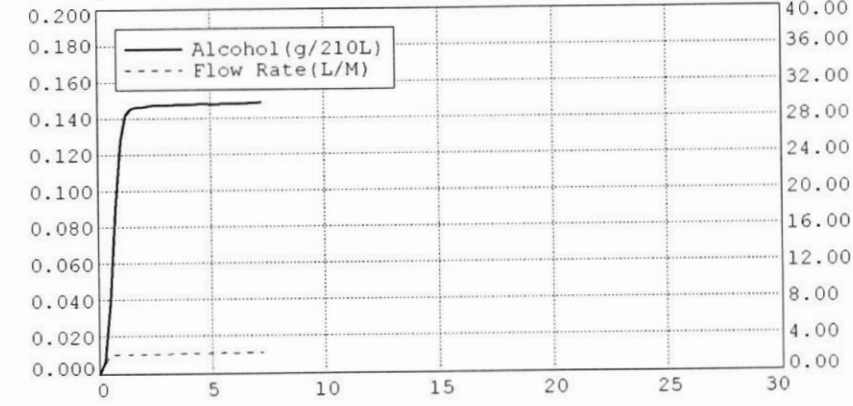
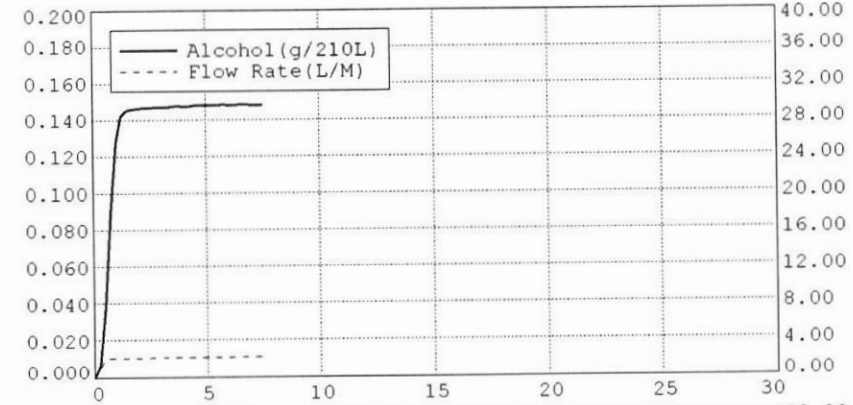
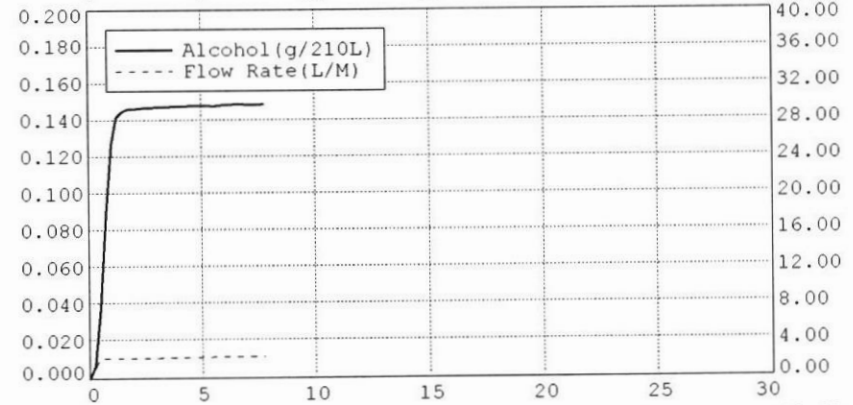
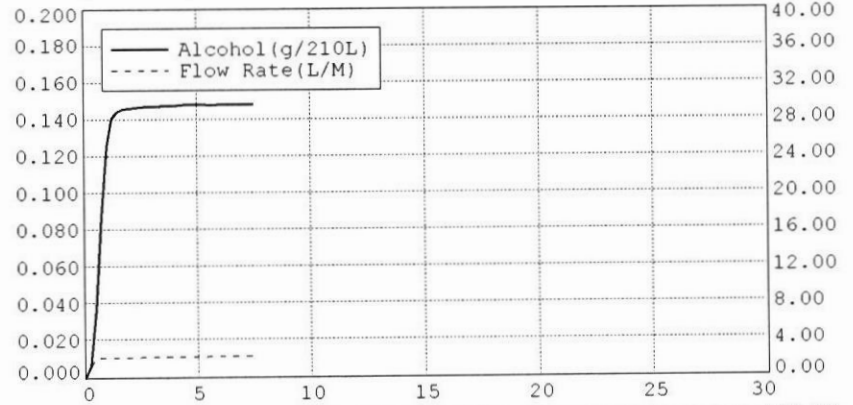
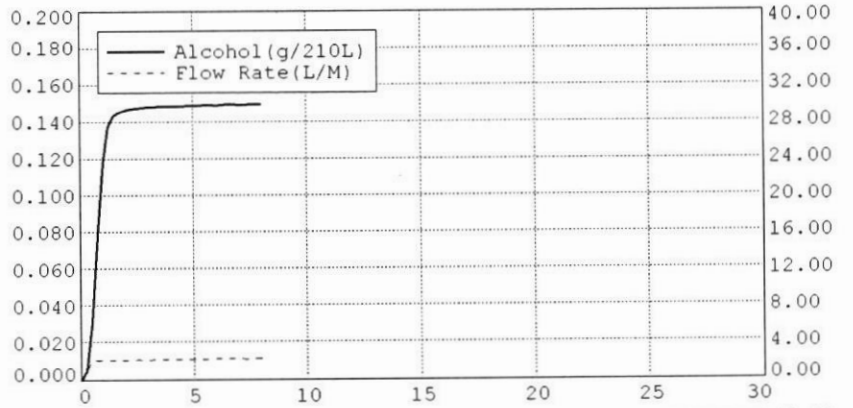
Average = 0.1492
Std Dev = 0.0004

0.150 COB 2022.01.03

~~0.150~~

Lot: AG134205
Exp: 12/8/23
Tank 8013

COB 12/22/21



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100375

Date: 12/22/2021
Time: 10:35:53

VERSIONS

DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.0°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.52 V PASSED
(0.92 V - 2.16 V)
Cooler Voltage = 1.57 V PASSED
(0.92 V - 2.16 V)
Bias Voltage = 79 V PASSED
(47 V - 111 V)
Chopper Freq = 543 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.8 in

PUMP INFO

Flow Rate = 3.964 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.002 V <= 0.010 V)
PUMP OFF PASSED
(0.002 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.091 0.19% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100375

Date: 12/22/2021
Time: 10:42 AM

Temperatures (°C)

Sample Cell: 49.0°C
Breath Tube: 48.1°C

Current Barometer 29.8 in
Volume (Ltr) 0.00

Settings

Lamp: 1.52 V
Bias: 80 V
Cooler: 1.59 V
Chopper: 541 Hz

Voltages (V)

Flow: 1.05 V
Detector: 0.099 V

LINEARITY CHECK

Alaska Department of Public Safety
DATAMASTER dmt: 100375

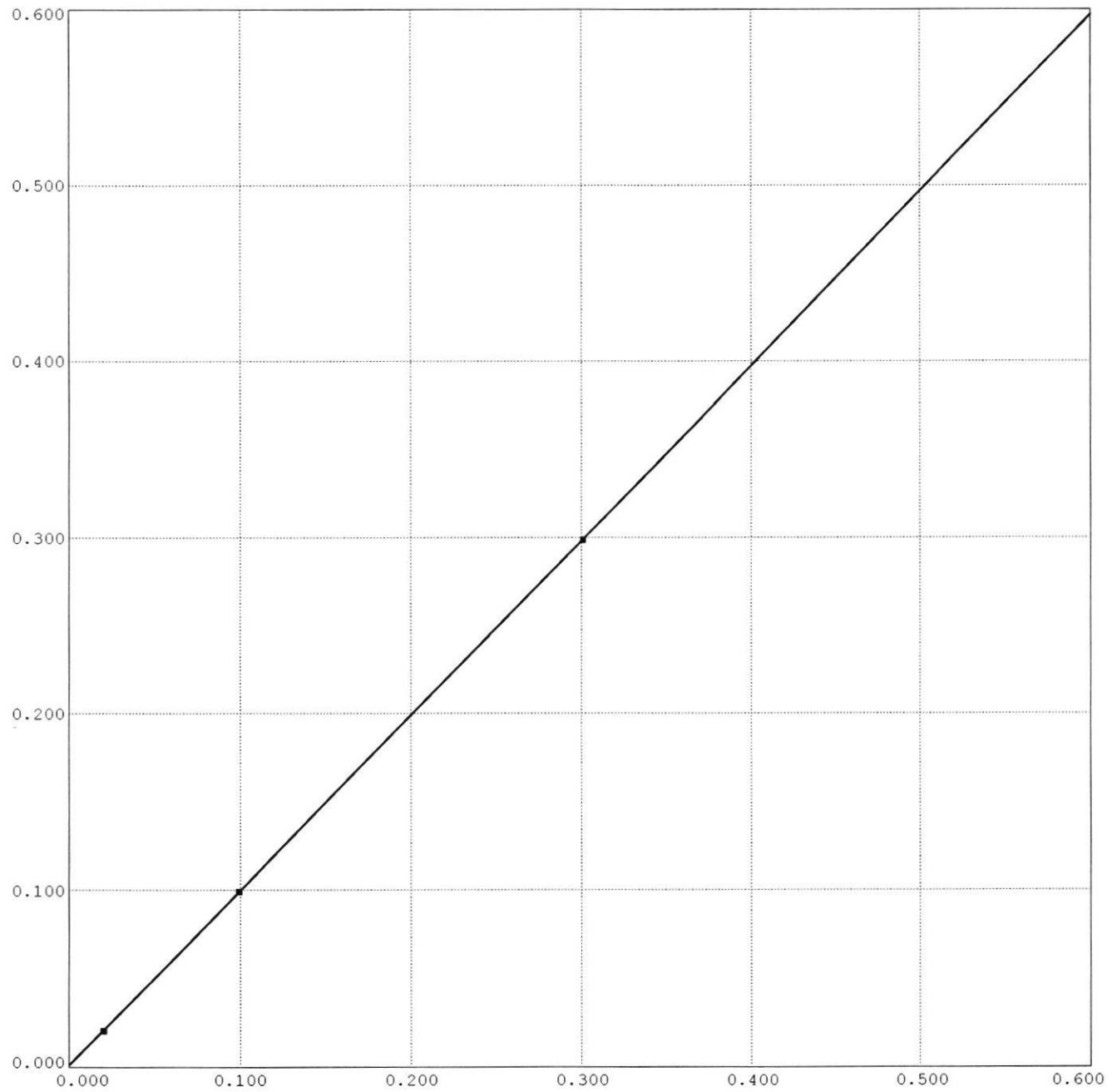
Date: 12/22/2021
Time: 10:43:21

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.020	0.0210	0.0000
0.099	0.1000	0.0000
0.300	0.2992	0.0015

SLOPE = 0.993076
R² = 0.999996

(YAS)



LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100375

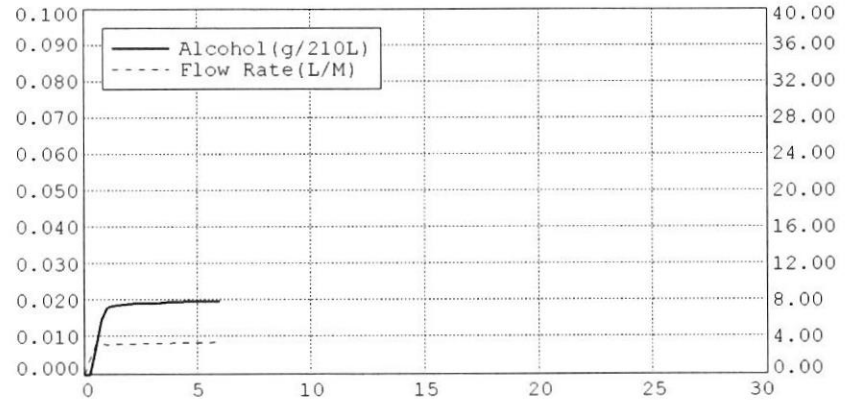
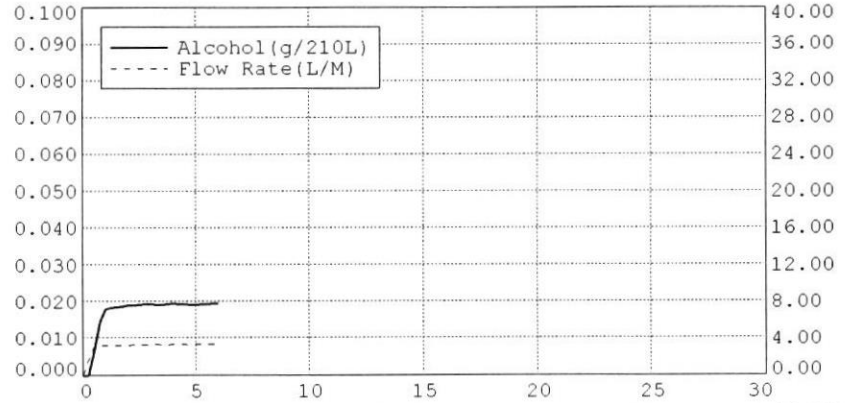
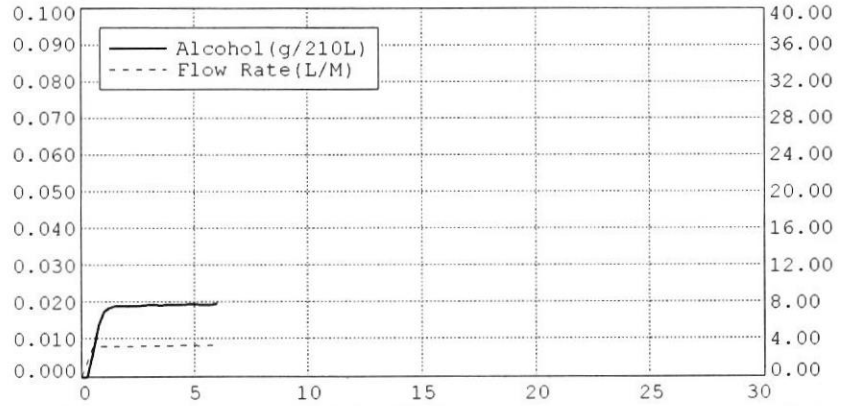
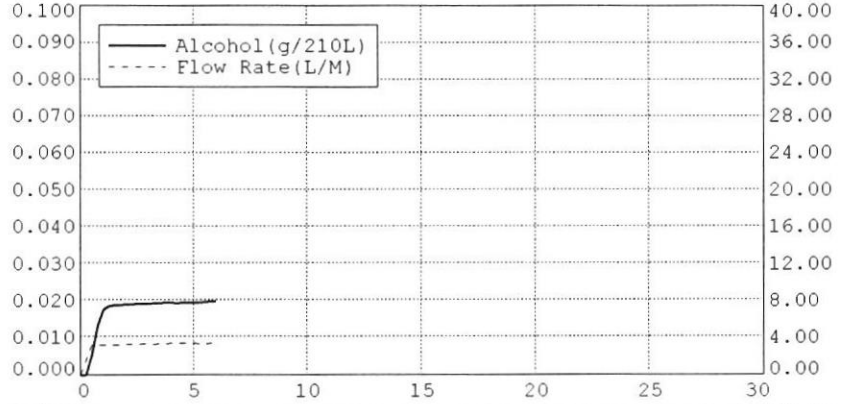
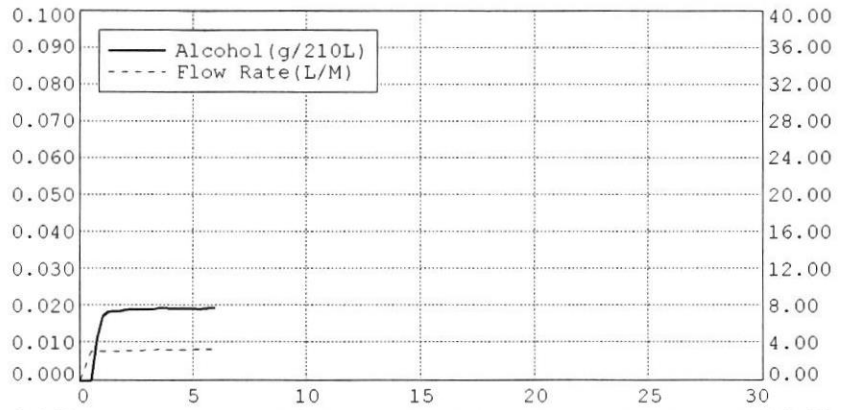
Date: 12/22/2021
Time: 10:43:23

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.76: 0.020
LOT #: AG100401
EXPIRATION: 01/04/2023
TANK PRESSURE: 827 psi

BLANK TEST	0.000	10:44
INTERNAL STANDARD	VERIFIED	10:44
EXTERNAL STANDARD	0.021	10:44
BLANK TEST	0.000	10:45
EXTERNAL STANDARD	0.021	10:46
BLANK TEST	0.000	10:46
EXTERNAL STANDARD	0.021	10:47
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.021	10:48
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.021	10:49
BLANK TEST	0.000	10:50

Average = 0.0210
Std Dev = 0.0000



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
DATAMASTER dmt: 100375

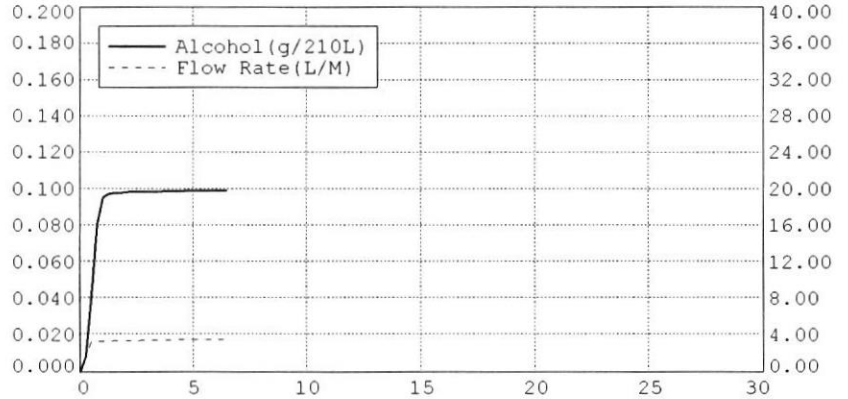
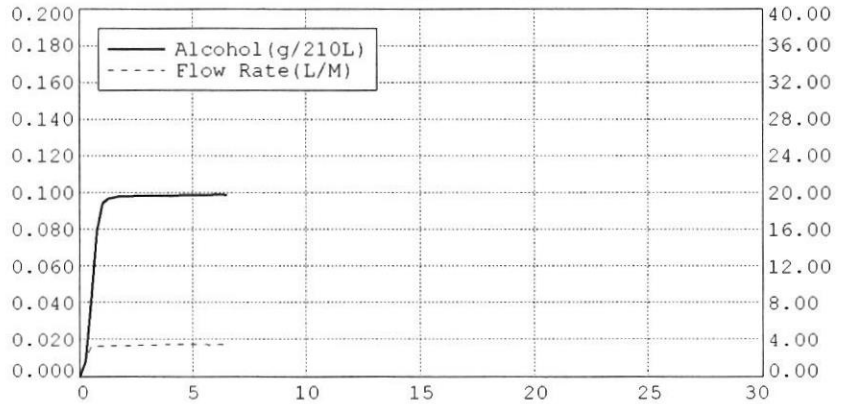
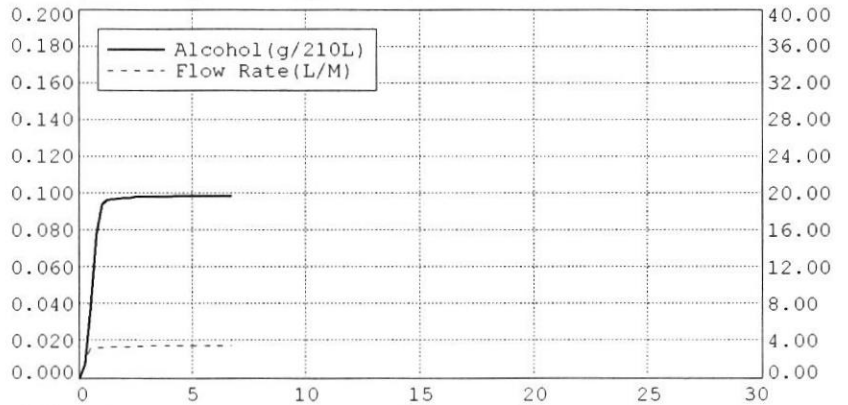
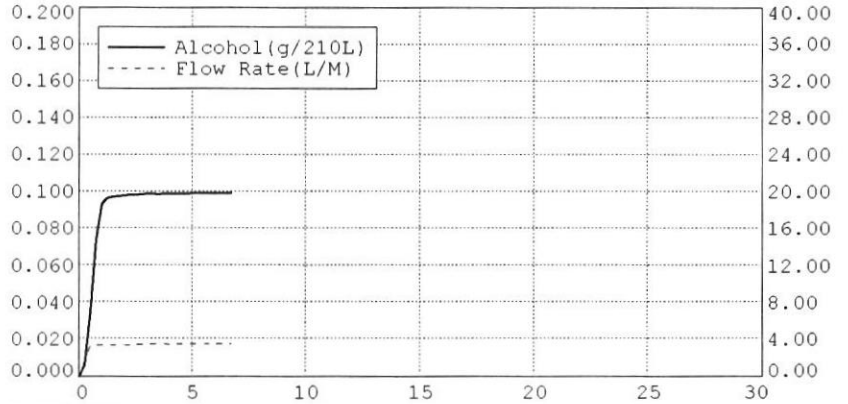
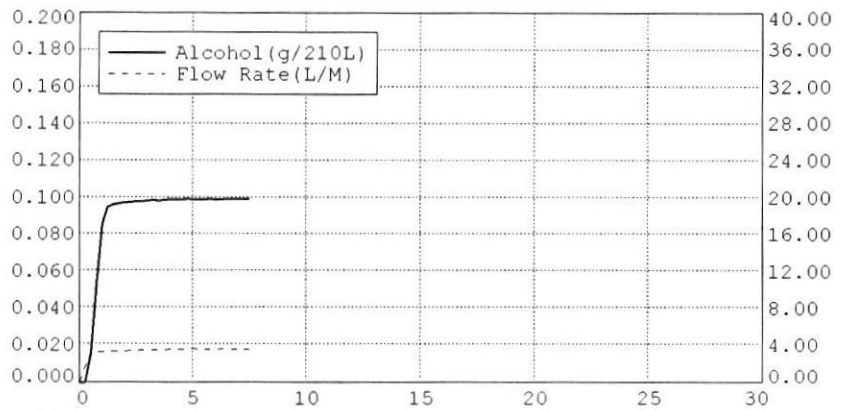
Date: 12/22/2021
Time: 10:51:03

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
TARGET AT 29.77: 0.099
LOT #: AG108404
EXPIRATION: 03/25/2023
TANK PRESSURE: 852 psi

BLANK TEST	0.000	10:52
INTERNAL STANDARD	VERIFIED	10:52
EXTERNAL STANDARD	0.100	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.100	10:53
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.100	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.100	10:56
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.100	10:57
BLANK TEST	0.000	10:58

Average = 0.1000
Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100375

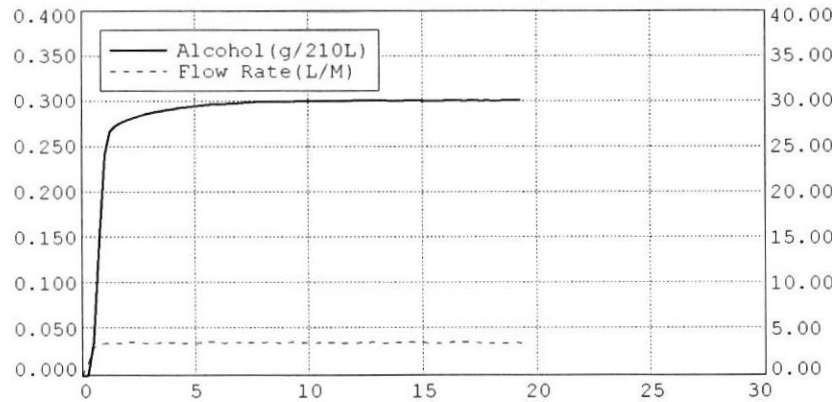
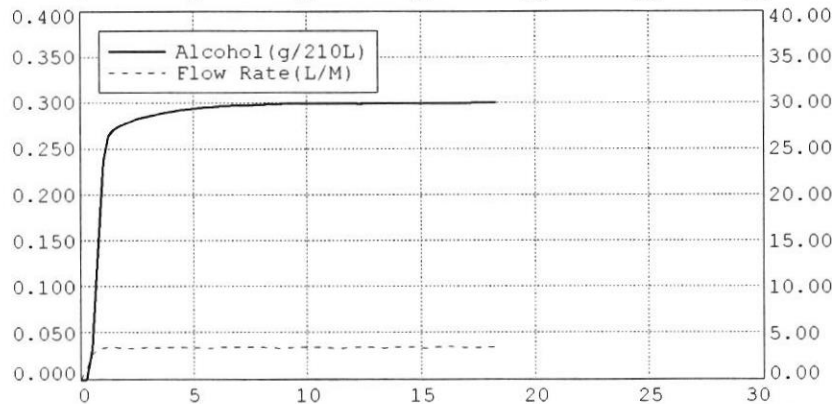
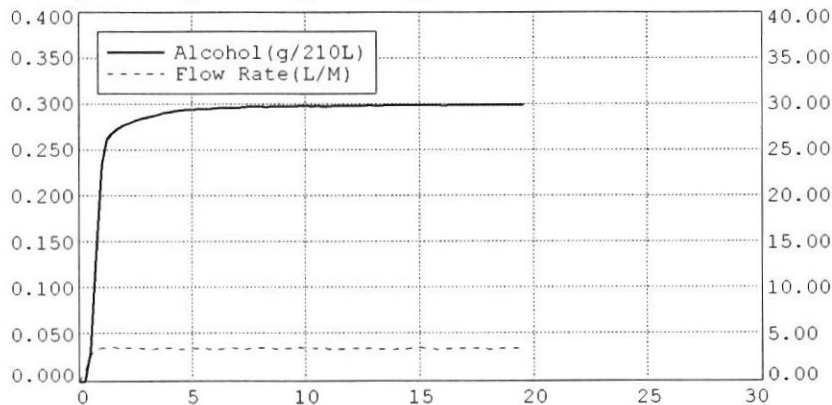
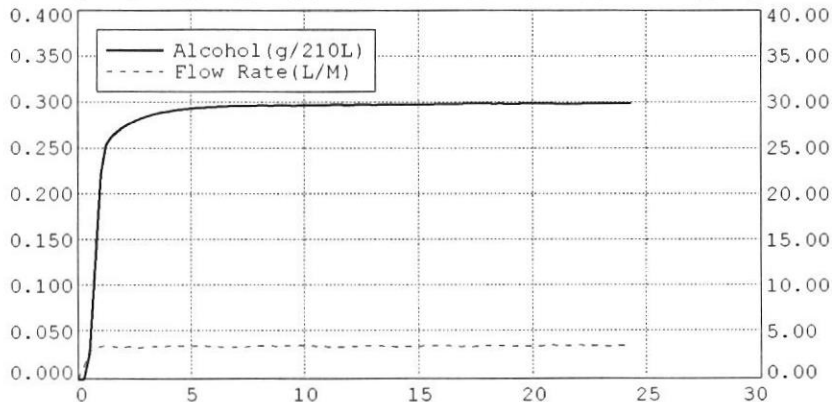
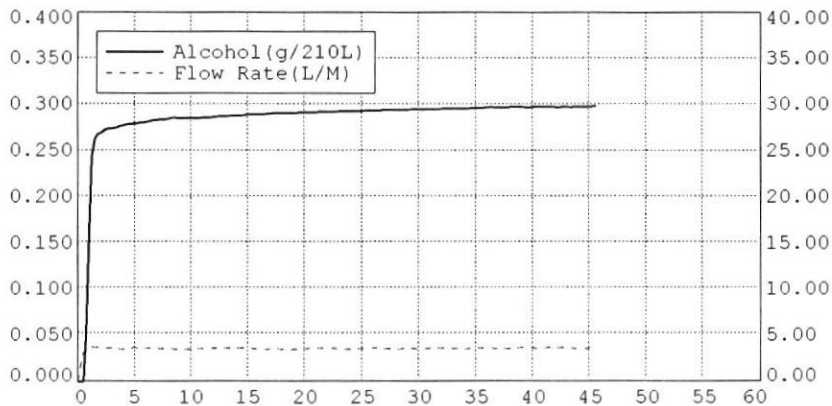
Date: 12/22/2021
 Time: 11:02:24

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 LOT #: 21030
 EXPIRATION: 02/02/2023

BLANK TEST	0.000	11:04
INTERNAL STANDARD	VERIFIED	11:04
EXTERNAL STANDARD	0.297	11:05
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.299	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.299	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.300	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.301	11:10
BLANK TEST	0.000	11:11

Average = 0.2992
 Std Dev = 0.0015

*Simulator SN: SD1202
 Calibrated: 6/15/21
 CAB 12/20/21*



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 12/22/2021
Time: 10:28:32

VERSIONS
DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 48.1°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.66 V PASSED
(1.00 V - 2.32 V)
Cooler Voltage = 1.65 V PASSED
(0.99 V - 2.31 V)
Bias Voltage = 81 V PASSED
(49 V - 113 V)
Chopper Freq = 524 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.8 in

PUMP INFO

Flow Rate = 4.441 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.002 V <= 0.010 V)
PUMP OFF PASSED
(0.001 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD

Xq = 0.085 0.52% (0.00% - 4.00%) PASSED

Technician Screen

DATAMASTER dmt: 100399

Date: 12/22/2021
Time: 10:38 AM

Temperatures (°C)

Sample Cell: 48.9°C
Breath Tube: 47.9°C

Current Barometer 29.8 in
Volume (Ltr) 0.00

Settings

Lamp: 1.66 V
Bias: 81 V
Cooler: 1.65 V
Chopper: 523 Hz

Voltages (V)

Flow: 1.06 V
Detector: 0.077 V

LINEARITY CHECK

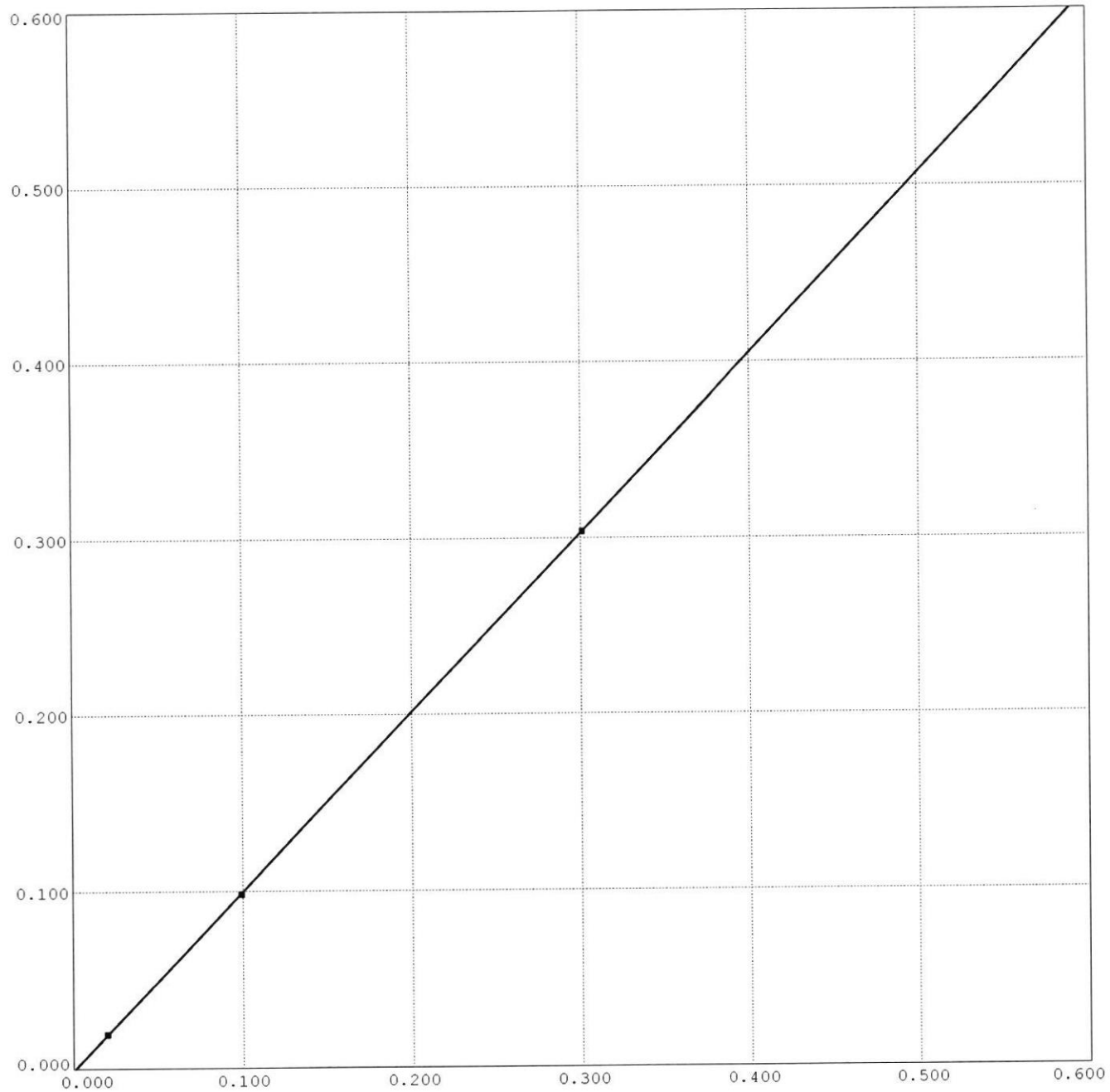
Alaska Department of Public Safety
DATAMASTER dmt: 100399

Date: 12/22/2021
Time: 10:38:59

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.020	0.0198	0.0004
0.099	0.0994	0.0005
0.300	0.3044	0.0005

SLOPE = 1.017109
R² = 0.999993



CAB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

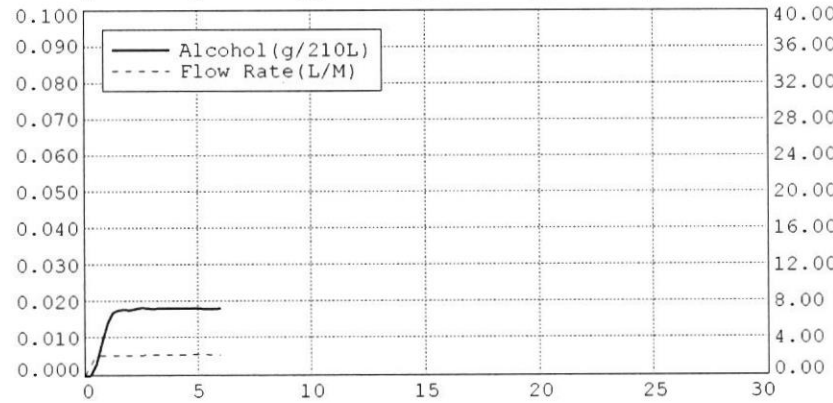
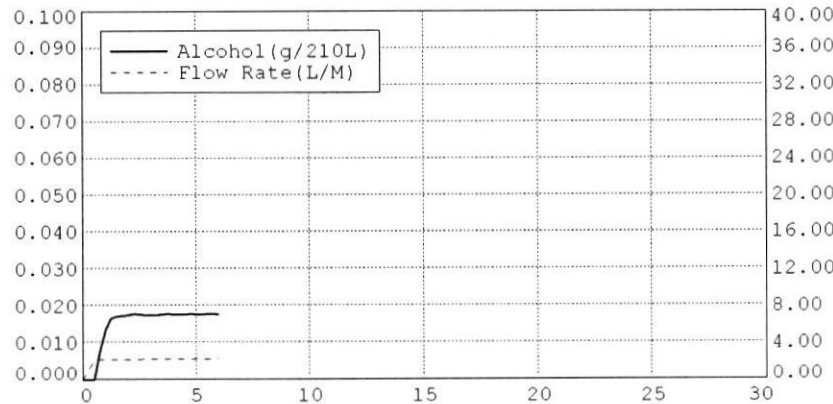
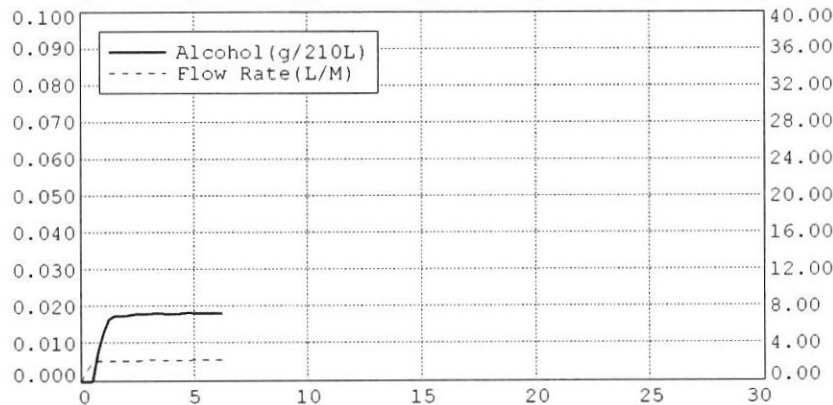
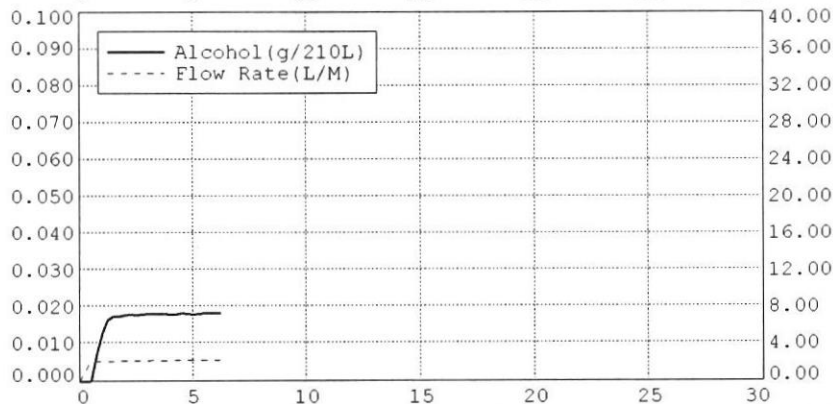
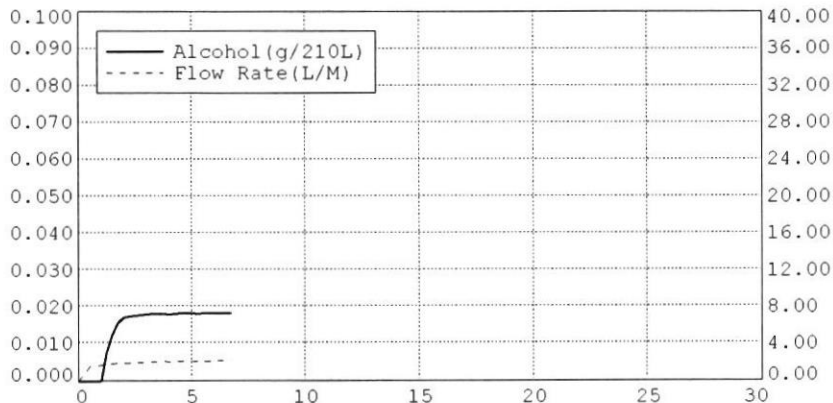
Date: 12/22/2021
 Time: 10:39:01

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
 TARGET AT 29.77: 0.020
 LOT #: AG100401
 EXPIRATION: 01/04/2023
 TANK PRESSURE: 789 psi

BLANK TEST	0.000	10:57
INTERNAL STANDARD	VERIFIED	10:57
EXTERNAL STANDARD	0.020	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.020	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.020	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.019	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.020	11:01
BLANK TEST	0.000	11:02

Average = 0.0198
 Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

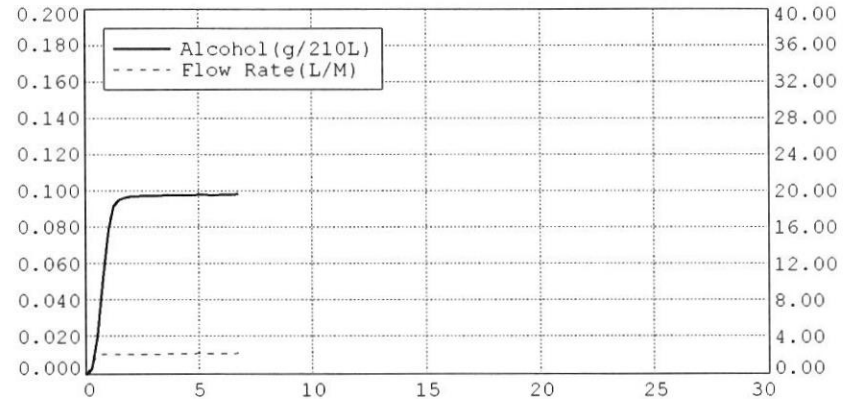
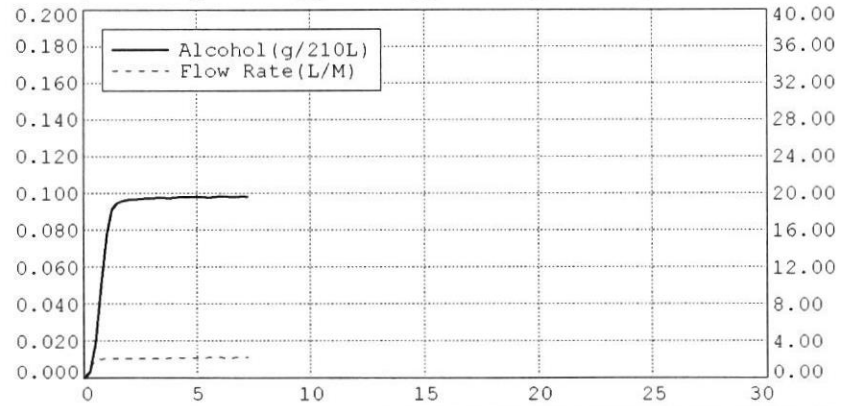
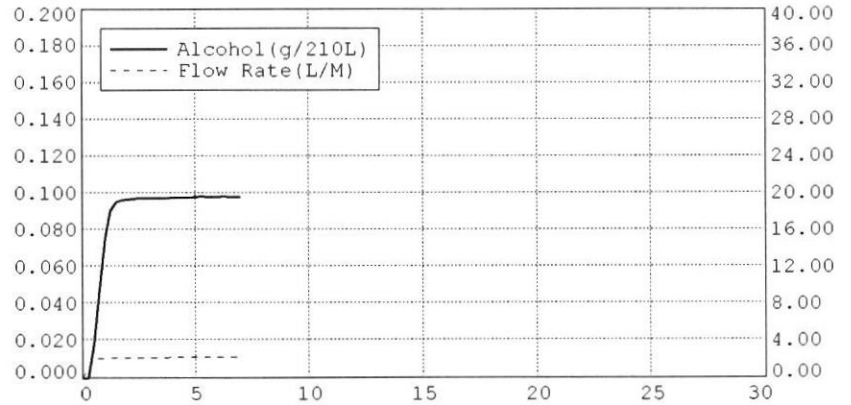
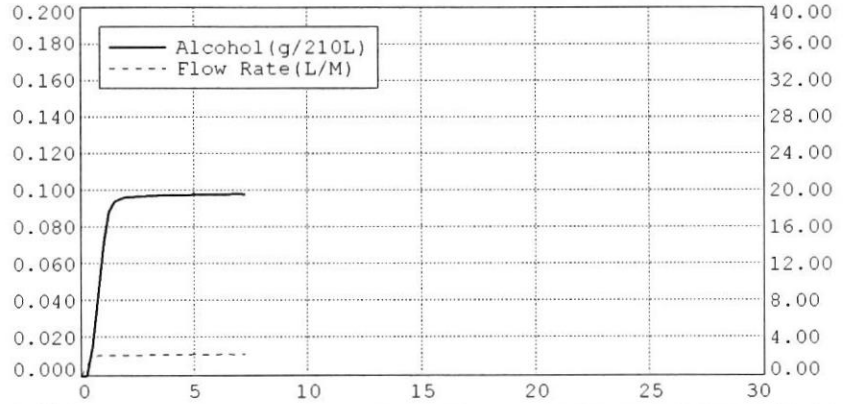
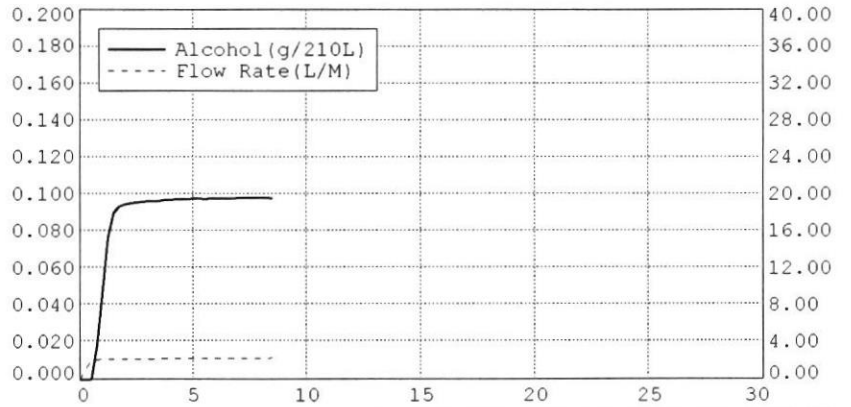
Date: 12/22/2021
 Time: 11:04:39

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.76: 0.099
 LOT #: AG108404
 EXPIRATION: 03/25/2023
 TANK PRESSURE: 817 psi

BLANK TEST	0.000	11:05
INTERNAL STANDARD	VERIFIED	11:06
EXTERNAL STANDARD	0.099	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.099	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.099	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.100	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.100	11:10
BLANK TEST	0.000	11:11

Average = 0.0994
 Std Dev = 0.0005



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
 DATAMASTER dmt: 100399

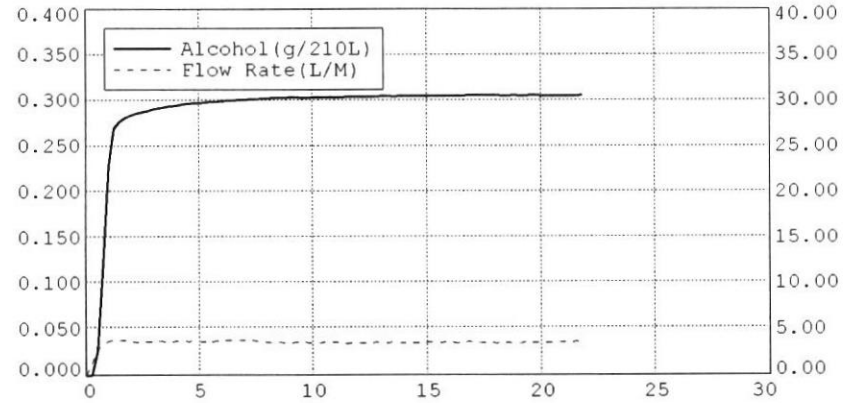
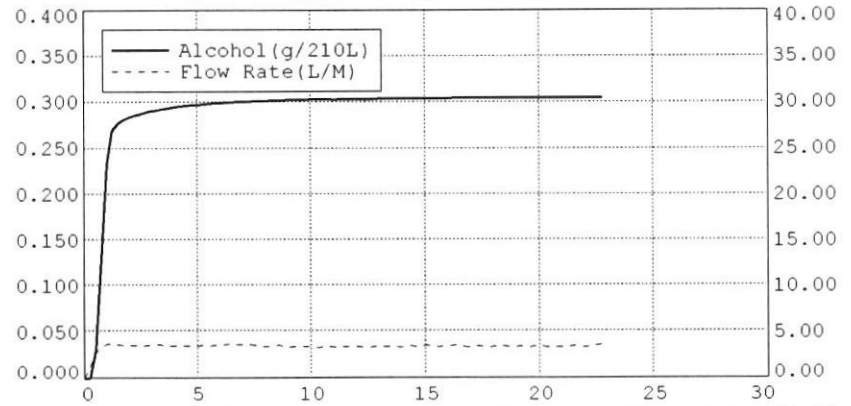
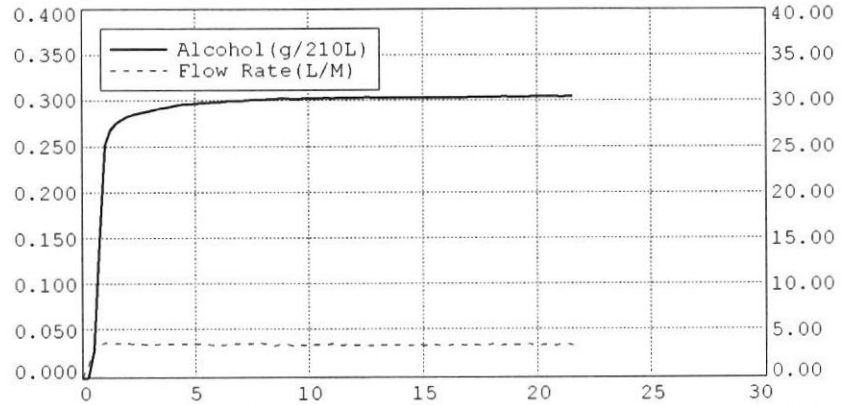
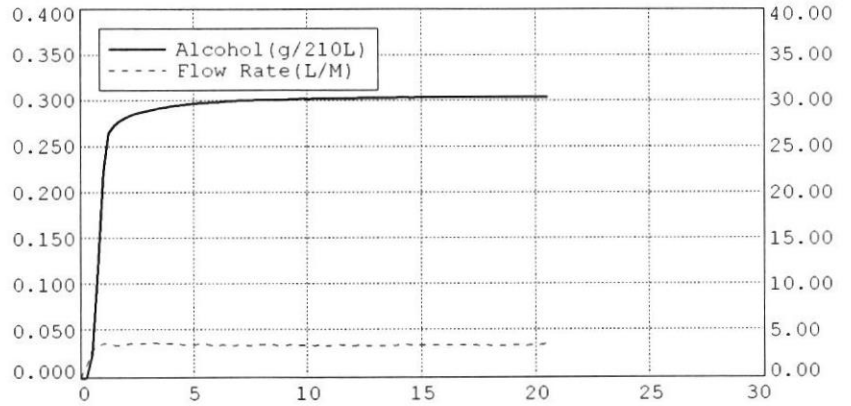
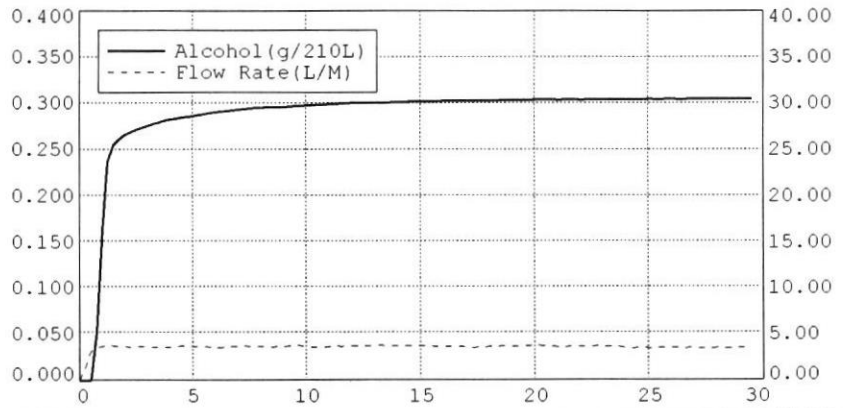
Date: 12/22/2021
 Time: 11:11:54

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300
 LOT #: 21030
 EXPIRATION: 02/02/2023

BLANK TEST	0.000	11:15
INTERNAL STANDARD	VERIFIED	11:15
EXTERNAL STANDARD	0.304	11:15
BLANK TEST	0.000	11:16
EXTERNAL STANDARD	0.304	11:17
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.304	11:18
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.305	11:20
BLANK TEST	0.000	11:21
EXTERNAL STANDARD	0.305	11:21
BLANK TEST	0.000	11:22

Average = 0.3044
 Std Dev = 0.0005

*Simulator SN: SD1002
 Calibrated: 6/15/21
 CBS 12/22/21*



DIAGNOSTIC RECORD

Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 12/22/2021
Time: 10:29:47

VERSIONS
DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 49.0°C PASSED
(44.0°C - 52.0°C)
Breath Tube = 47.9°C PASSED
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.69 V PASSED
(1.01 V - 2.37 V)
Cooler Voltage = 1.74 V PASSED
(1.01 V - 2.37 V)
Bias Voltage = 81 V PASSED
(49 V - 113 V)
Chopper Freq = 525 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 29.8 in

PUMP INFO

Flow Rate = 5.161 L/M PASSED
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON PASSED
(0.002 V <= 0.010 V)
PUMP OFF PASSED
(0.003 V <= 0.010 V)

FILTER INFO

Filter 1 PASSED
Filter 2 PASSED
Filter 3 PASSED

INTERNAL STANDARD PASSED
Xq = 0.088 0.20% (0.00% - 4.00%)

Technician Screen

DATAMASTER dmt: 100405

Date: 12/22/2021
Time: 10:38 AM

Temperatures (°C)

Sample Cell: 48.8°C
Breath Tube: 47.9°C

Current Barometer 29.8 in
Volume (Ltr) 0.00

Settings

Lamp: 1.74 V
Bias: 81 V
Cooler: 1.74 V
Chopper: 523 Hz

Voltages (V)

Flow: 1.05 V
Detector: -0.023 V

LINEARITY CHECK

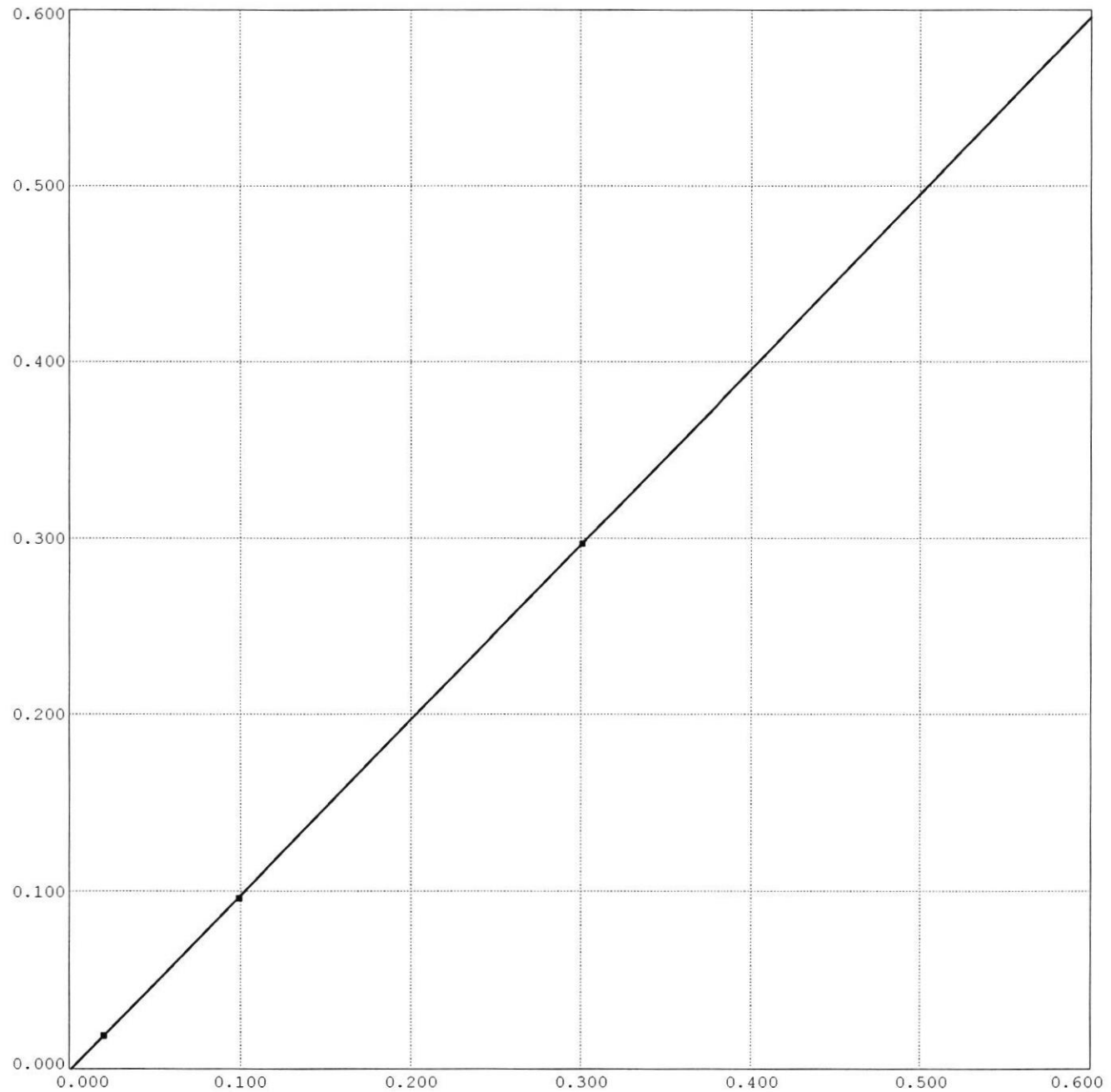
Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 12/22/2021
Time: 10:39:23

SUPERVISOR NAME:
COLLEEN S OBRYANT
OPERATOR'S #: 6237

TARGET	AVERAGE	STD. DEV.
0.020	0.0192	0.0004
0.099	0.0970	0.0000
0.300	0.2976	0.0005

SLOPE = 0.995016
R² = 0.999991



CB

LINEARITY CHECK: Control Test 1

Alaska Department of Public Safety
DATAMASTER dmt: 100405

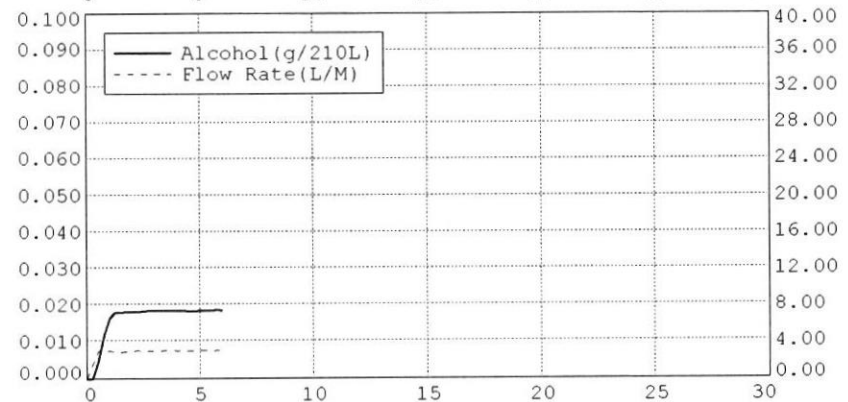
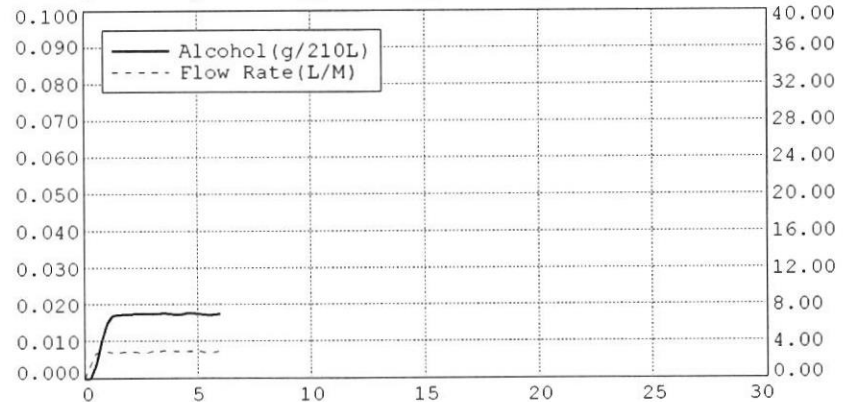
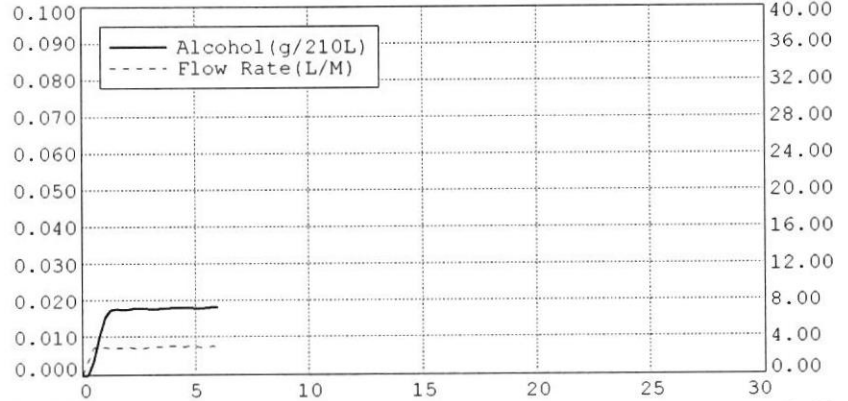
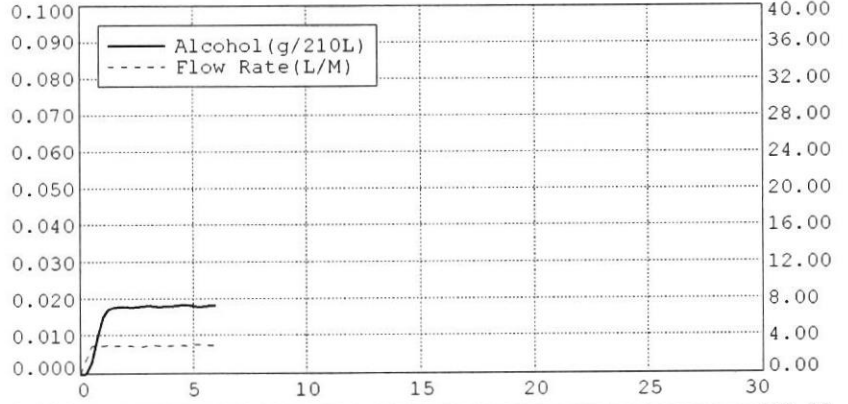
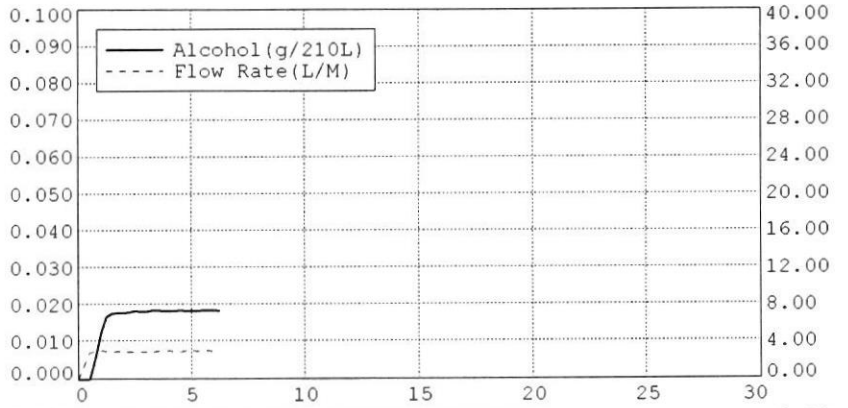
Date: 12/22/2021
Time: 10:39:25

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.020
TARGET AT 29.77: 0.020
LOT #: AG100401
EXPIRATION: 01/04/2023
TANK PRESSURE: 796 psi

BLANK TEST	0.000	10:46
INTERNAL STANDARD	VERIFIED	10:46
EXTERNAL STANDARD	0.020	10:46
BLANK TEST	0.000	10:47
EXTERNAL STANDARD	0.019	10:47
BLANK TEST	0.000	10:48
EXTERNAL STANDARD	0.019	10:48
BLANK TEST	0.000	10:49
EXTERNAL STANDARD	0.019	10:49
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.019	10:50
BLANK TEST	0.000	10:51

Average = 0.0192
Std Dev = 0.0004



LINEARITY CHECK: Control Test 2

Alaska Department of Public Safety
 DATAMASTER dmt: 100405

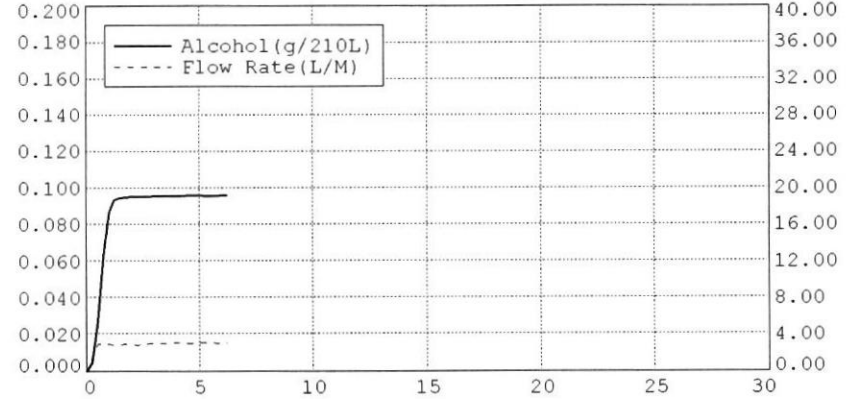
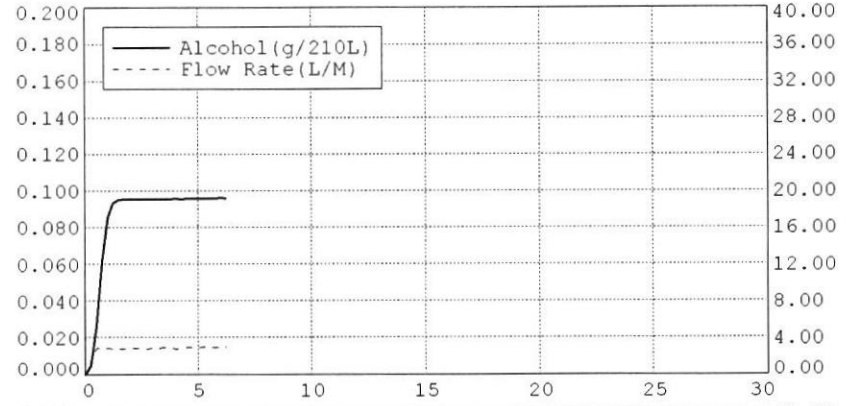
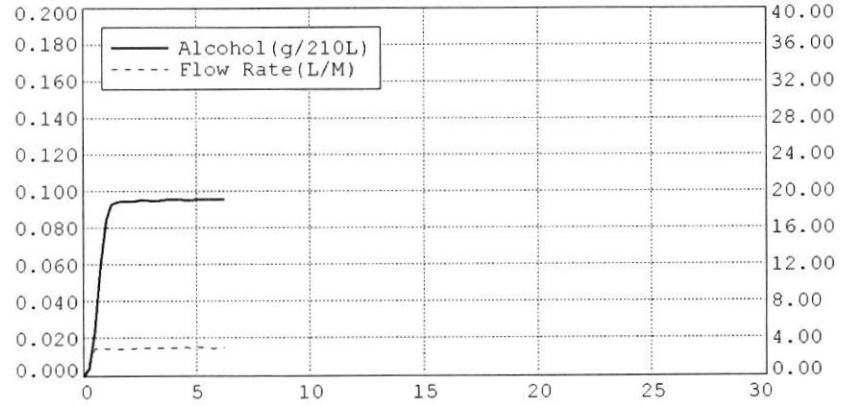
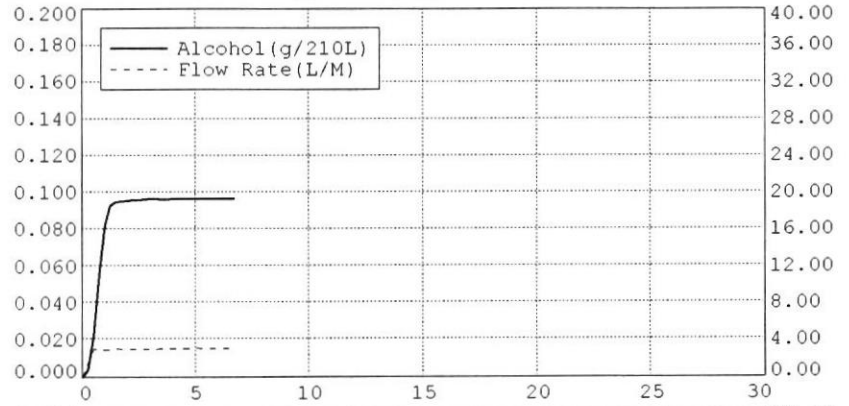
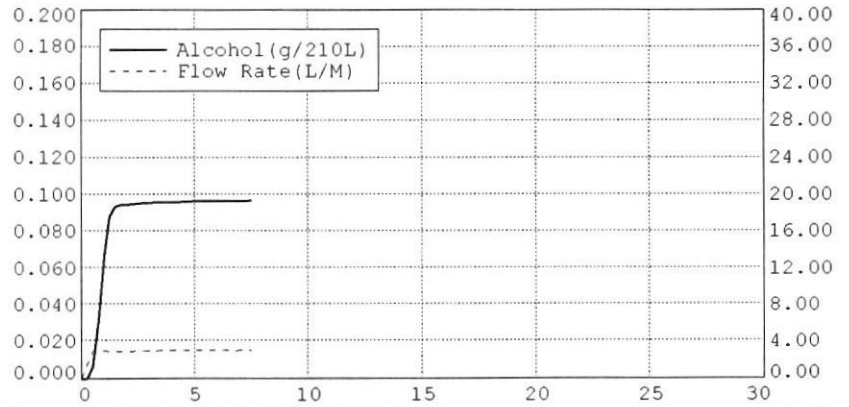
Date: 12/22/2021
 Time: 10:57:14

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.100
 TARGET AT 29.76: 0.099
 LOT #: AG108404
 EXPIRATION: 03/25/2023
 TANK PRESSURE: 819 psi

BLANK TEST	0.000	10:58
INTERNAL STANDARD	VERIFIED	10:58
EXTERNAL STANDARD	0.097	10:59
BLANK TEST	0.000	11:00
EXTERNAL STANDARD	0.097	11:00
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.097	11:01
BLANK TEST	0.000	11:02
EXTERNAL STANDARD	0.097	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.097	11:03
BLANK TEST	0.000	11:04

Average = 0.0970
 Std Dev = 0.0000



LINEARITY CHECK: Control Test 3

Alaska Department of Public Safety
DATAMASTER dmt: 100405

Date: 12/22/2021
Time: 11:05:28

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300
LOT #: 21030
EXPIRATION: 02/02/2023

BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:07
EXTERNAL STANDARD	0.298	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.297	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.297	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.298	11:12
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.298	11:14
BLANK TEST	0.000	11:14

Average = 0.2976
Std Dev = 0.0005

*Simulator SN: SD1202
Calibrated: 6/15/21
CAB 12/22/21*

